BREATHING AIR

The Vital Connection

– fully in line with market demands and requirements

High performance without compromising on quality or safety

CEJN - Your Global Quick Connect Partner

– when lives depend on the choices you make

CEJN is the global quick connect specialist that offers quick couplings and accessories for all types of media as well as custom-made solutions for all types of applications. With more than 50 years' experience of connecting components quickly and safely – our products are, and always have been, synonymous with quality, high performance and safety.

Our product range has, since CEJN was established in 1955, expanded and covers today all types of pressures and media. The range suitable for breathing air applications offers besides quick connect couplings and nipples also spiral hoses, hose kits and a wide variety of accessories.

Safety and function are important elements in the production of all CEJN products but are especially important within this specific field. CEJN's own tolerance demands on breathing air products are significantly more stringent than industry standards. And each product is put through extra rigorous tests to ensure the high quality demanded is fulfilled without compromising on performance.

Series 141

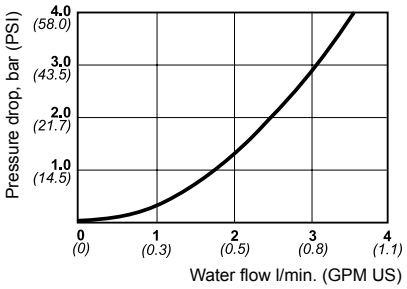
10 bar (145 PSI), water flow 3.5 l/min (0.9 GPM)

Series 141 is one-hand operated with very small outside dimensions, making it ideal for liquid supply in closed-suit applications.

Technical Data
Material: Chrome-plated brass
Seal material: NBR
Water flow at pressure drop 4 bar (58 PSI): 3.5 l/min (0.9 GPM US)
Air flow at inlet pressure 6 bar (87 PSI) and
pressure drop 0.5 bar (7 PSI): 86 l/min (3 CFM)
Max. working pressure: 10 bar (145 PSI)
Min. burst pressure: 40 bar (580 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 2.5 mm (3/32")

Couplings: Not compatible with other Series for breathing air applications
Nipples: Not compatible with other Series for breathing air applications

		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 141 1001	5.0 mm (3/16")	52.0	12.0	-
	Male thread	10 141 1251	G 1/8"	40.0	12.7	11
		10 141 1451	NPT 1/8"	35.0	12.7	11
	Female thread	10 141 1201	G 1/8"	43.5	15.0	13
Nipples	Hose connection	10 141 5000	3.0 mm (1/8")	32.0	7.0	-
		10 141 5001	5.0 mm (3/16")	40.5	7.0	-
	Male thread	10 141 5251	G 1/8"	30.5	12.7	11
		10 141 5451	NPT 1/8"	31.0	12.7	11
	Female thread	10 141 5201	G 1/8"	30.0	13.9	12



Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

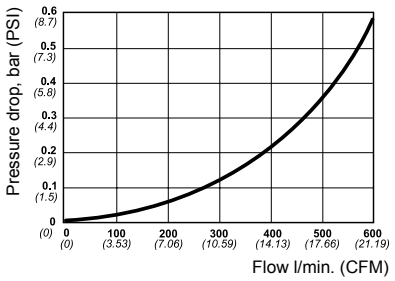
Series 221

35 bar (508 PSI) – 580 l/min (20.5 CFM)

In addition to a grip-friendly locking sleeve and small outside dimensions, Series 221 offers a high rate of airflow and a wide connection range. This coupling series is ideal for laboratory breathing air systems, dry suit inflation, and diving applications.

Technical Data
Material: Chrome-plated brass
Seal material: NBR
Airflow at inlet pressure 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 580 l/min (20.5 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 5.0 mm (3/16")

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



		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 221 1021	6.3 mm (1/4")	47.4	26.0	17
	Male thread	10 221 1292	G 1/4"	43.5	26.0	17
		10 221 1482	NPT 1/4"	45.5	26.0	17
	Female thread	10 221 1222	G 1/4"	47.5	26.0	17
Nipples	Hose connection	10 221 5002	6.3 mm (1/4")	36.0	11.0	-
	Male thread	10 221 5152	R 1/4"	33.0	16.2	14
		10 221 5251	G 1/8"	26.5	12.7	11
		10 221 5252	G 1/4"	31.5	16.2	14
		10 221 5452	NPT 1/4"	33.0	16.2	14
	Female thread	10 221 5201	G 1/8"	26.5	15.0	13
		10 221 5202	G 1/4"	31.0	19.6	17

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 341

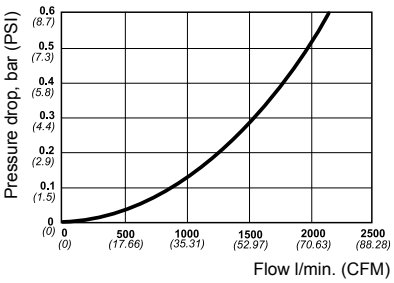
35 bar (508 PSI) – 1950 l/min (69 CFM)

Series 341 has one-hand-operated connection and an integrated safety feature that guards against unintentional disconnection. Offering an extremely high rate of airflow, it has a grip-friendly locking sleeve and a broad connection range. The series is well suited for air cushion inflation and diving applications.

Technical Data
Material: Nickel-plated brass
Seal material: NBR
Airflow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 1950 l/min (69 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 7.4 mm (9/32")

Couplings: Compatible with CEJN Series 342 and 346 nipples
Nipples: Compatible with CEJN Series 342, 344, 345, and 346 couplings

		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 341 1032	6.3 mm (1/4")	68.7	24.4	19
		10 341 1034	8.0 mm (5/16")	71.2	24.4	19
		10 341 1004	10.0 mm (3/8")	71.7	24.4	19
	Male thread	10 341 1152	R 1/4"	64.7	24.4	20
		10 341 1154	R 3/8"	62.7	24.4	20
		10 341 1155	R 1/2"	57.2	25.4	22
		10 341 1452	NPT 1/4"	63.7	24.4	20
		10 341 1454	NPT 3/8"	61.7	24.4	20
		10 341 1455	NPT 1/2"	56.2	25.4	22
	Female thread	10 341 1202	G 1/4"	58.7	24.4	20
		10 341 1204	G 3/8"	61.7	24.4	20
		10 341 1205	G 1/2"	61.2	28.9	25
		10 341 1402	NPT 1/4"	60.7	24.4	20
		10 341 1404	NPT 3/8"	60.7	25.4	22
		10 341 1405	NPT 1/2"	60.2	28.9	25
Nipples	Hose connection	10 341 5002	6.3 mm (1/4")	47.0	13.0	-
		10 341 5003	8.0 mm (5/16")	49.5	13.0	-
		10 341 5004	10.0 mm (3/8")	49.5	14.0	-
	Male thread	10 341 5152	R 1/4"	46.0	16.2	14
		10 341 5154	R 3/8"	46.0	19.6	17
		10 341 5155	R 1/2"	52.0	25.4	22
		10 341 5452	NPT 1/4"	42.7	19.6	14
		10 341 5454	NPT 3/8"	45.5	22.0	19
		10 341 5455	NPT 1/2"	50.5	25.4	22
	Female thread	10 341 5202	G 1/4"	42.0	19.6	17
		10 341 5204	G 3/8"	43.2	23.1	20
		10 341 5205	G 1/2"	46.5	31.2	27
		10 341 5402	NPT 1/4"	41.5	19.6	17
		10 341 5404	NPT 3/8"	42.0	23.1	20
		10 341 5405	NPT 1/2"	45.5	31.2	27



Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

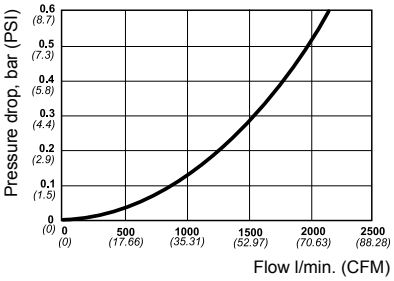
Series 342

35 bar (508 PSI) – 1950 l/min (69 CFM)

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 gripfriendly locking sleeve, and a broad connection range.

Technical Data
Material: Zinc-plated steel, sleeve and nipple of hardened steel
Seal material: NBR
Airflow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 1950 l/min (69 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 7.4 mm (9/32")

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



		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 342 1002	6.3 mm (1/4")	68.7	24.4	19
		10 342 1003	8.0 mm (5/16")	71.2	24.4	19
		10 342 1004	10.0 mm (3/8")	71.7	24.4	19
		10 342 1005	13.0 mm (1/2")	69.7	24.4	19
	Male thread	10 342 1152	R 1/4"	64.7	24.4	20
		10 342 1154	R 3/8"	62.7	24.4	20
		10 342 1155	R 1/2"	57.2	25.4	22
		10 342 1452	NPT 1/4"	63.7	24.4	20
		10 342 1454	NPT 3/8"	61.7	24.4	20
		10 342 1455	NPT 1/2"	56.2	25.4	22
	Female thread	10 342 1202	G 1/4"	58.7	24.4	20
		10 342 1204	G 3/8"	61.7	24.4	20
		10 342 1205	G 1/2"	61.2	28.9	25
		10 342 1402	NPT 1/4"	60.7	24.4	20
		10 342 1404	NPT 3/8"	60.7	25.4	22
	Stream-Line	10 342 1060	6.5 x 10.0 mm	65.7	24.4	20/16
		10 342 1062	8.0 x 12.0 mm	68.7	24.4	20/19
Nipples	Hose connection	10 342 5002	6.3 mm (1/4")	47.0	13.0	-
		10 342 5004	10.0 mm (3/8")	49.5	14.0	-
		10 342 5005	13.0 mm (1/2")	50.0	17.0	-
	Male thread	10 342 5152	R 1/4"	46.0	16.2	14
		10 342 5154	R 3/8	46.0	19.6	17
		10 342 5155	R 1/2"	52.0	25.4	22
		10 342 5452	NPT 1/4"	42.7	16.2	14
		10 342 5454	NPT 3/8"	43.7	19.6	17
	Female thread	10 342 5202	G 1/4"	42.0	19.6	17
		10 342 5204	G 3/8"	43.2	23.1	20
		10 342 5205	G 1/2"	47.7	27.7	24
		10 342 5402	NPT 1/4"	41.5	19.6	17
		10 342 5404	NPT 3/8"	43.2	23.1	20
		10 342 5405	NPT 1/2"	45.5	31.2	27
	Stream-Line	10 342 5060	6.5 x 10.0 mm	49.0	18.5	16/16
		10 342 5062	8.0 x 12.0 mm	52.0	21.9	19/19

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 344

35 bar (508 PSI) – 1950 l/min (69 CFM)

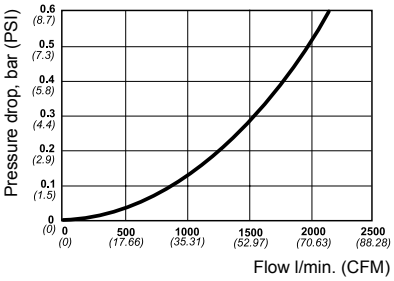
Series 344 is specially designed for applications with low-weight requirements. The shorter design of the coupling gives it a significantly lower weight than other couplings with the same performance. Series 344 is recommended primarily for breathing air firefighting applications, but is also well suited 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.

Technical Data
Material: Nickel-plated brass
Seal material: NBR
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 1950 l/min (69 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 7.4 mm (9/32")

Couplings: Compatible with Series, 341, 342 and 346 nipples
Nipples: Not compatible with other series for breathing air applications

		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 344 1002	6.3 mm (1/4")	64.3	24.4	19
		10 344 1004	10.0 mm (3/8")	67.3	24.4	19
	(Special)*	10 344 1003	7.0 mm	67.8	24.4	20
	Male thread	10 344 1152	R 1/4"	60.3	24.4	20
		10 344 1154	R 3/8"	58.3	24.4	20
		10 344 1155	R 1/2"	52.8	25.4	22
		10 344 1288	G 1/4"	55.8	24.4	20
		10 344 1294	G 3/8"	53.8	24.4	20
		10 344 1452	NPT 1/4"	59.3	24.4	20
		10 344 1454	NPT 3/8"	57.3	24.4	20
	Female thread	10 344 1202	G 1/4"	54.3	24.4	20
		10 344 1204	G 3/8"	57.3	24.4	20
		10 344 1402	NPT 1/4"	56.3	24.4	20
		10 344 1404	NPT 3/8"	56.3	25.4	22
Nipples	Hose connection (*stainless steel*)	10 344 5020	6.3 mm (1/4")	44.0	13.0	-
		10 344 5004	10.0 mm (3/8")	45.5	14.0	-
	(Special – stainless steel)*	10 344 5022	7.0 mm	46.0	13.0	-
	(Special)*	10 344 5023	7.0 mm	46.0	13.0	-
	Male thread	10 344 5252	G 1/4"	38.0	19.6	17
		10 344 5254	G 3/8"	36.5	21.9	19
		10 344 5452	NPT 1/4"	38.5	19.6	17
	Female thread	10 344 5202	G 1/4"	36.5	19.6	17
		10 344 5204	G 3/8"	38.5	23.1	20
		10 344 5402	NPT 1/4"	35.5	19.6	17

** Special hose barb, as shown at the right*

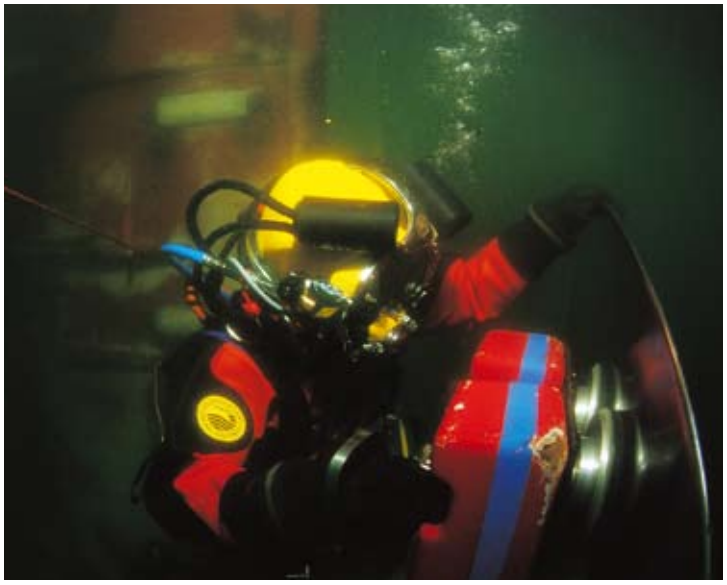


Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 345

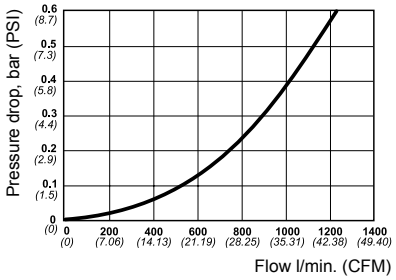
35 bar (508 PSI) – 1100 l/min (39 CFM)

Series 345 is a double shut-off series with both a valved coupling and nipple. The specially designed valve provides an extremely high rate of airflow. This series is well-suited for breathing air diving applications and for applications that demand a closed system when disconnected, such as surface air diving. Like most other CEJN breathing air couplings, Series 345 offers one-hand-operated connection, an integrated safety feature that guards against unintentional disconnection, a grip-friendly locking sleeve, and a broad connection range.



Technical Data
Material: Nickel-plated brass
Seal material: NBR
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 1100 l/min (39 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 6.2 mm (1/4")

Couplings: Compatible with Series, 341, 342, and 346 nipples
Nipples: Not compatible with other Series for breathing air applications



		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 345 1003	8.0 mm (5/16")	71.2	24.4	19
		10 345 1004	10.0 mm (3/8")	71.7	24.4	19
	Male thread	10 345 1152	R 1/4"	64.7	24.4	20
		10 345 1154	R 3/8"	62.7	24.4	20
		10 345 1254	G 3/8"	58.2	24.4	20
		10 345 1454	NPT 3/8"	61.7	24.4	20
	Female thread	10 345 1202	G 1/4"	58.7	24.4	20
		10 345 1204	G 3/8"	61.7	24.4	20
		10 345 1402	NPT 1/4"	60.7	24.4	20
		10 345 1404	NPT 3/8"	60.7	25.4	22
Nipple *(valved)*	Hose connection	10 345 6002	6.3 mm (1/4")	85.0	23.1	20
	Male thread	10 345 6152	R 1/4"	65.4	23.1	20
		10 345 6154	R 3/8"	54.4	23.1	20
		10 345 6252	G 1/4"	73.7	24.3	21
		10 345 6254	G 3/8"	62.0	23.1	20
		10 345 6454	NPT 3/8"	53.4	23.1	20
	Female thread	10 345 6202	G 1/4"	55.7	23.1	20
		10 345 6204	G 3/8"	58.1	23.1	20
		10 345 6402	NPT 1/4"	55.7	23.1	20
		10 345 6404	NPT 3/8"	57.1	23.1	20

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 346

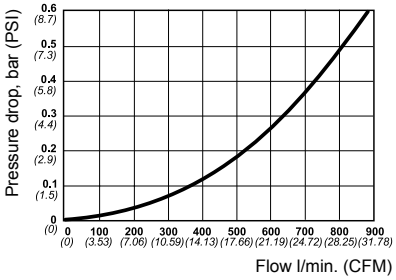
35 bar (508 PSI) – 800 l/min (28 CFM)

Couplings: Compatible with Series 341 and 342 nipples
Nipples: Compatible with Series 341, 342, 344, and 345 couplings

The AISI 316 stainless steel construction of Series 346 makes it an ideal choice for applications in tough environments, such as offshore duty. Its special valve design provides a high rate of airflow. Like most CEJN breathing air couplings, Series 346 offers one-hand operated connection, an integrated safety feature that guards against unintentional disconnection, a grip-friendly locking sleeve, and a broad range of connections.

Technical Data
Material: Stainless steel, AISI 316
Seal material: NBR
Airflow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 800 l/min (28 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 7.0 mm (9/32")

		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 346 1002	6.3 mm (1/4")	72.0	25.4	22
		10 346 1034	10.0 mm (3/8")	73.0	25.4	22
	Male thread	10 346 1254	G 3/8"	60.0	24.3	21
		10 346 1452	NPT 1/4"	64.0	25.4	22
		10 346 1484	NPT 3/8"	63.5	25.4	22
	Female thread	10 346 1202	G 1/4"	62.0	25.4	22
		10 346 1234	G 3/8"	62.0	25.4	22
		10 346 1402	NPT 1/4"	60.5	25.4	22
		10 346 1434	NPT 3/8"	62.0	25.4	22
Nipples	Hose connection	10 346 5042	6.3 mm (1/4")	47.0	13.0	-
		10 346 5034	10.0 mm (3/8")	49.5	14.0	-
	Male thread	10 346 5272	G 1/4"	40.0	16.2	14
		10 346 5452	NPT 1/4"	42.5	16.2	14
	Female thread	10 346 5202	G 1/4"	41.5	19.6	17
		10 346 5402	NPT 1/4"	40.5	19.6	17
		10 346 5404	NPT 3/8"	42.0	25.4	22



Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

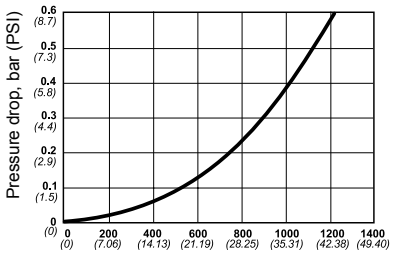
Series 347

35 bar (508 PSI) – 1100 l/min (39 CFM)

Developed to prevent potentially dangerous cross-connections in industrial applications, CEJN Series 347 nipples are non-interchangable with any other CEJN series couplings. The series is useful in applications with multiple access points for different media, such as breathing air, compressed air, and gas. The double shut-off series has a valved nipple. The special valve design of both the coupling and nipple provide an extremely high rate of airflow. Like most CEJN breathing air series, Series 347 offers one-hand-operated connection, an integrated safety feature that guards against unintentional disconnection, and a grip-friendly locking sleeve.

Technical Data
Material: Nickel-plated brass
Seal material: NBR
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 1100 l/min (39 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 6.2 mm (1/4")

Couplings: Compatible with other series nipples, but not recommended
Nipples: Not compatible with any other CEJN series



		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 347 1004	10.0 mm (3/8")	71.7	24.4	19
	Male thread	10 347 1254	G 3/8"	58.2	24.4	20
	Female thread	10 347 1204	G 3/8"	61.7	24.4	20
	Stream-Line	10 347 1062	8.0 x 12.0 mm	68.7	24.4	20/19
Nipples *(valved)*	Hose connection	10 347 6004	10.0 mm (3/8")	73.5	23.1	20
	Male thread	10 347 6254	G 3/8"	63.5	23.1	20
	Female thread	10 347 6204	G 3/8"	58.1	23.1	20
	Stream-Line	10 347 6062	8.0 x 12.0 mm	71.5	23.1	20/19

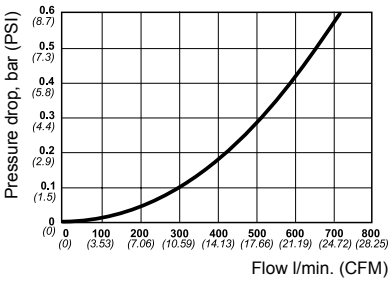
Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 348

10 bar (145 PSI) – 650 l/min (23 CFM)

Series 348 offers a partial stainless steel construction with a lower connection force than competitive styles. The series features a valved nipple that makes the double shut-off design well-suited for fire-fighting applications. Like most CEJN breathing air couplings, Series 348 couplings offer one-hand-operated connection and an integrated safety feature that guards against unintentional disconnection.

Technical Data
Material: Nickel-plated brass/stainless steel.
nipple of stainless steel (body)/nickel-plated brass
Seal material: EPDM
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 650 l/min (23 CFM)
Max. working pressure: 10 bar (145 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +150°C (-22°F to +302°F)
Nominal flow diameter: 4.1 mm (5/32")



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

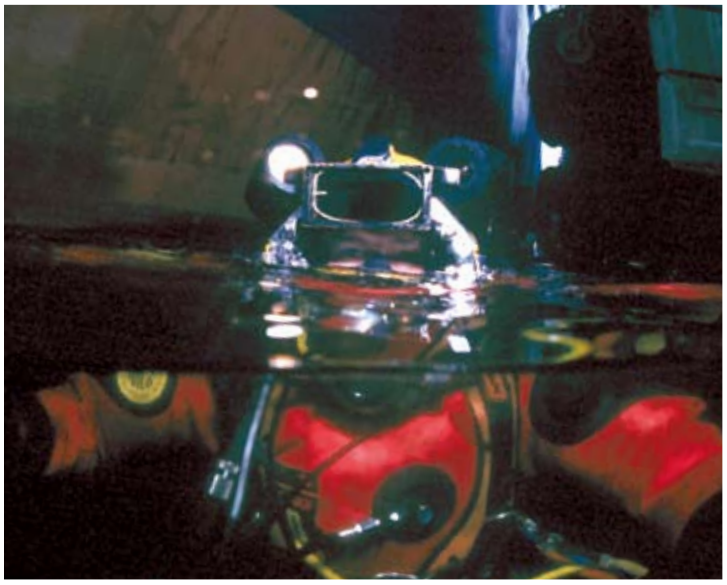
		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 348 1002	6.3 mm (1/4")	67.5	24.4	20
Nipples *(valved)*	Hose connection	10 348 6002	6.3 mm (1/4")	54.0	23.5	21

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 441

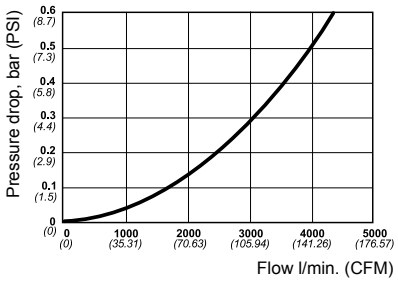
35 bar (508 PSI) – 3950 l/min (140 CFM)

Series 441 offers one-hand-operated connection with an integrated safety feature that guards against unintentional disconnection. Its special valve design provides an extremely high rate of airflow. As other coupling in the CEJN breathing air line, Series 441 features a gripfriendly locking sleeve and a broad connection range. It is well-suited for air cushion inflation and breathing air diving applications in which extra high airflow is required.



Technical Data
Material: Nickel-plated brass
Seal material: NBR
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 3950 l/min (140 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 10.4 mm (13/32")

Couplings: Compatible with Series 442 nipples
Nipples: Compatible with Series 442 couplings



		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 441 1005	13.0 mm (1/2")	78.0	28.0	22
		10 441 1007	19.0 mm (3/4")	77.0	28.0	22
	Male thread	10 441 1155	R 1/2"	73.0	28.0	24
		10 441 1157	R 3/4"	63.5	31.2	27
		10 441 1455	NPT 1/2"	72.0	28.0	24
		10 441 1457	NPT 3/4"	60.0	31.2	27
	Female thread	10 441 1205	G 1/2"	70.0	28.9	25
		10 441 1207	G 3/4"	67.0	37.0	32
		10 441 1405	NPT 1/2"	70.0	28.9	25
		10 441 1407	NPT 3/4"	65.0	37.0	32
Nipples	Hose connection	10 441 5005	13.0 mm (1/2")	50.0	17.0	-
		10 441 5007	19.0 mm (3/4")	53.0	24.0	-
	Male thread	10 441 5155	R 1/2"	51.0	25.4	22
		10 441 5157	R 3/4"	54.5	31.2	27
		10 441 5455	NPT 1/2"	50.0	25.4	22
		10 441 5457	NPT 3/4"	52.5	31.2	27
	Female thread	10 441 5205	G 1/2"	47.5	28.9	25
		10 441 5207	G 3/4"	50.5	37.0	32
		10 441 5405	NPT 1/2"	46.0	28.9	25
		10 441 5407	NPT 3/4"	48.0	37.0	32

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 442

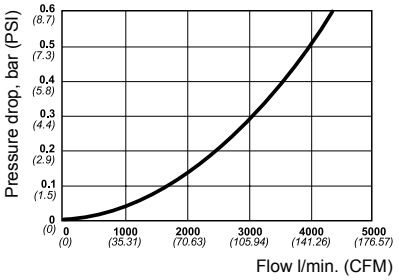
35 bar (508 PSI) – 3950 l/min (140 CFM)

Series 442 features a hardened steel locking sleeve and nipple that make it ideal for demanding industrial environments. Its special valve design, which provides an extremely high rate of airflow, makes this series suitable for large supply lines for portable equipment with multiple air outlets. Like most CEJN breathing air couplings, Series 442 features one-hand-operated connection, an integrated safety feature that guards against unintentional disconnection, a grip-friendly locking sleeve, and a broad connection range.

Technical Data
Material: Zinc-plated steel, locking sleeve and nipple of hardened steel
Seal material: NBR
Air flow at inlet pressure of 6 bar (87 PSI) and pressure drop 0.5 bar (7 PSI): 3950 l/min (140 CFM)
Max. working pressure: 35 bar (508 PSI)
Min. burst pressure: 140 bar (2030 PSI)
Temperature range: -30°C to +100°C (-22°F to +212°F)
Nominal flow diameter: 10.4 mm (13/32")

Couplings: Compatible with Series 441 nipples
Nipples: Compatible with Series 441 couplings

		Part No.	Description	Length	Diameter	Spanner Size
Couplings	Hose connection	10 442 1004	10.0 mm (3/8")	79.5	28.0	22
		10 442 1005	13.0 mm (1/2")	78.0	28.0	22
		10 442 1007	19.0 mm (3/4")	77.0	28.0	22
	Male thread	10 442 1154	R 3/8"	70.5	28.0	24
		10 442 1155	R 1/2"	73.0	28.0	24
		10 442 1157	R 3/4"	63.5	31.2	27
		10 442 1455	1/2" NPT	72.0	28.0	24
		10 442 1457	3/4" NPT	60.0	31.2	27
	Female thread	10 442 1205	G 1/2"	70.0	28.9	25
		10 442 1207	G 3/4"	67.0	37.0	32
		10 442 1405	1/2" NPT	70.0	28.9	25
		10 442 1407	3/4" NPT	65.0	37.0	32
Nipples	Hose connection	10 442 5005	13.0 mm (1/2")	50.0	17.0	-
		10 442 5007	19.0 mm (3/4")	53.0	24.0	-
	Male thread	10 442 5152	R 1/4"	43.8	19.6	17
		10 442 5154	R 3/8"	47.0	19.6	17
		10 442 5155	R 1/2"	50.8	25.4	22
		10 442 5157	R 3/4"	54.0	31.2	27
		10 442 5455	NPT 1/2"	51.8	25.4	22
		10 442 5457	NPT 3/4"	52.0	31.2	27
	Female thread	10 442 5204	G 3/8"	43.0	23.1	20
		10 442 5205	G 1/2"	47.8	28.9	25
		10 442 5207	G 3/4"	50.5	37.0	32
		10 442 5405	NPT 1/2"	47.8	28.9	25



Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

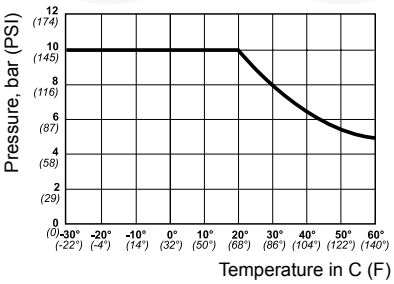
Spiral Non-Braided Hose

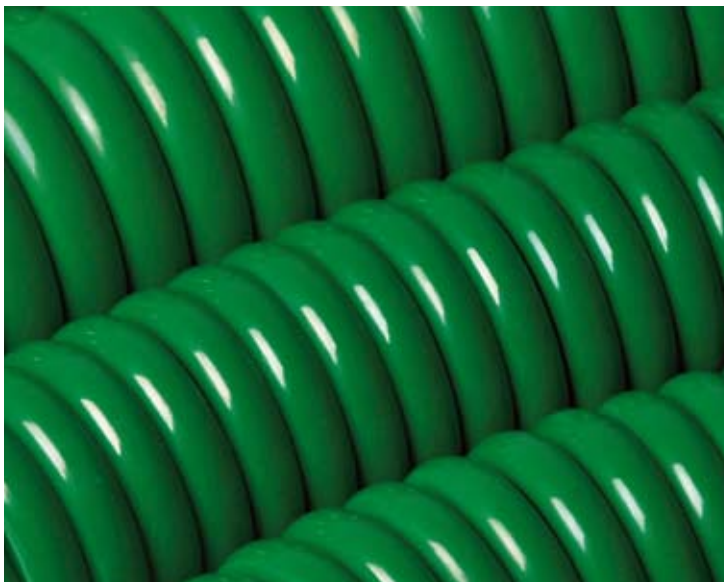
Anti-Spark Hose for Breathing Air

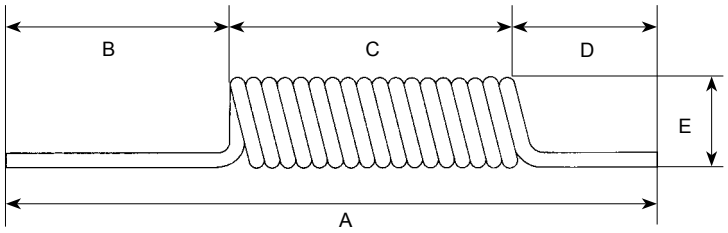
Designed for breathing air and compressed air applications, CEJN spiral non-braided hose features a green, esterbased PUR construction and anti-spark protection. Its resistance to sparks and scorching makes it suitable for applications near welding equipment. The hose is lighter in weight, easier to handle, and more flexible than ordinary rubber hose. It is offered in a spiral hose version and in hose kits containing couplings and nipples.

Specific sizes of the hose comply with Standard EN14594:2005 for breathing air use, when used with approved breathing air filters and masks. (Contact your local distributor for complete information.)

Technical Data
Material: Ester-based polyurethane
Max. working pressure: See table below
Min. burst pressure: Safety factor 1:2.5
Temperature range: -20°C to +60°C (-4°F to +212°F)







	Part No.	Size (mm) ID x OD	Service Length (m)	Total Hose Length (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Work. Pressure bar/PSI at 20ºC
Spiral Hose	19 958 4020	6.5 x 10.0	2.0	2.5	740	500	140	100	52	10 / 145
	19 958 4040	6.5 x 10.0	4.0	5.0	930	500	330	100	52	10 / 145
	19 958 4060	6.5 x 10.0	6.0	7.5	1120	500	520	100	52	10 / 145
	19 958 4080	6.5 x 10.0	8.0	10.0	1310	500	710	100	52	10 / 145
	19 958 4220	8.0 x 12.0	2.0	2.5	740	500	140	100	65	10 / 145
	19 958 4240	8.0 x 12.0	4.0	5.0	920	500	320	100	65	10 / 145
	19 958 4260	8.0 x 12.0	6.0	7.5	1100	500	500	100	65	10 / 145
	19 958 4280	8.0 x 12.0	8.0	10.0	1280	500	680	100	65	10 / 145

	Hose ID x OD. Dim. mm	Male thread	R thread, without swivel	NPT thread, without swivel
Adapters	6.5 x 10.0	1/4"	19 958 1012	19 958 1042
	8.0 x 12.0	1/4"	19 958 1212	19 958 1242
	8.0 x 12.0	3/8"	19 958 1214	19 958 1244

	Part No.	Size (mm) ID x OD	Series Coupling/Nipple	Service Length (m)	Total Hose Length (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Work. Pressure bar/PSI at 20ºC
Hose Kits	19 958 9500	6.5 x 10.0	342	2.0	2.5	740	500	140	100	52	10 / 145
	19 958 9501	6.5 x 10.0	342	4.0	5.0	930	500	330	100	52	10 / 145
	19 958 9502	6.5 x 10.0	342	6.0	7.5	1120	500	520	100	52	10 / 145
	19 958 9503	6.5 x 10.0	342	8.0	10.0	1310	500	710	100	52	10 / 145
	19 958 9504	8.0 x 12.0	342	2.0	2.5	740	500	140	100	65	10 / 145
	19 958 9505	8.0 x 12.0	342	4.0	5.0	920	500	320	100	65	10 / 145
	19 958 9506	8.0 x 12.0	342	6.0	7.5	1100	500	500	100	65	10 / 145
	19 958 9507	8.0 x 12.0	342	8.0	10.0	1280	500	680	100	65	10 / 145

Thread connections are listed according to ISO Standards. See Page 20 for additional information. All measurements are in mm. Check with an authorized CEJN distributor for availability and prices.

Series 900

Connectors, Adapters, Bushings, and Plugs

CEJN offers a wide range of hose connectors; male-to-male adapters; bushings; plugs; T-, L-, and Y-pieces; and crosses for breathing air, compressed air and liquid applications. A wide range of both cylindrical and conical threads is available for maximum flexibility in a variety of applications. All adapters are plated for better protection against corrosion and feature a high burst pressure/working pressure factor of safety.

Technical Data
Max. working pressure: 35 bar (508 PSI)
Material: Plated brass

		Part No.	Connection
Hose Tail Nipple	Male/Hose	19 900 0211	R 1/8" - 3/16"
		19 900 0212	R 1/8" - 1/4"
		19 900 0221	R 1/4" - 3/16"
		19 900 0222	R 1/4" - 1/4"
		19 900 0223	R 1/4" - 5/16"
		19 900 0224	R 1/4" - 3/8"
		19 900 0225	R 1/4" - 1/2"
		19 900 0232	R 3/8" - 1/4"
		19 900 0233	R 3/8" - 5/16"
		19 900 0234	R 3/8" - 3/8"
		19 900 0235	R 3/8" - 1/2"
		19 900 0242	R 1/2" - 1/4"
		19 900 0243	R 1/2" - 5/16"
		19 900 0244	R 1/2" - 3/8"
		19 900 0245	R 1/2" - 1/2"
		19 900 0246	R 1/2" - 5/8"
		19 900 0247	R 1/2" - 3/4"
		19 900 0254	R 3/4" - 3/8"
		19 900 0255	R 3/4" - 1/2"
		19 900 0256	R 3/4" - 5/8"
		19 900 0257	R 3/4" - 3/4"
Hose Menders	Hose/Hose	19 900 0262	1/4" - 1/4"
		19 900 0264	3/8" - 3/8"
		19 900 0265	1/2" - 1/2"
Male Adapter	Male/Male	19 900 1210	G 1/8" - G 1/8"
		19 900 1211	G 1/4" - G 1/8"
		19 900 1212	G 1/4" - G 1/4"
		19 900 1214	G 1/4" - G 3/8"
		19 900 1215	G 1/4" - G 1/2"
		19 900 1220	G 3/8" - G 1/8"
		19 900 1224	G 3/8" - G 3/8"
		19 900 1225	G 3/8" - G 1/2"
		19 900 1227	G 3/8" - G 3/4"
		19 900 1229	G 1/2" - G 3/4"
		19 900 1235	G 1/2" - G 1/2"
		19 900 1249	G 3/4" - G 3/4"
Adapters	Male/Female	19 900 2201	G 1/8" - G 1/8"
		19 900 2202	G 1/8" - G 1/4"
		19 900 2204	G 1/8" - G 3/8"
		19 900 2212	G 1/4" - G 1/4"
		19 900 2214	G 1/4" - G 3/8"
		19 900 2224	G 3/8" - G 3/8"
		19 900 2225	G 3/8" - G 1/2"
		19 900 2235	G 1/2" - G 1/2"
		19 900 2237	G 1/2" - G 3/4"

		Part No.	Connection
Reducing Adap.	Male/Female	19 900 3211	G 1/4" - G 1/8"
		19 900 3221	G 3/8" - G 1/8"
		19 900 3222	G 3/8" - G 1/4"
		19 900 3232	G 1/2" - G 1/4"
		19 900 3234	G 1/2" - G 3/8"
		19 900 3244	G 3/4" - G 3/8"
		19 900 3245	G 3/4" - G 1/2"
Plug	Male	19 900 4302	G 1/4"
		19 900 4304	G 3/8"
		19 900 4305	G 1/2"
		19 900 4307	G 3/4"
T-Piece	Female/Female/Female	19 900 5302	G 1/4"
		19 900 5304	G 3/8"
		19 900 5305	G 1/2"
		19 900 5309	G 1"
	Female/Male/Female	19 900 5322	G 1/4"
		19 900 5324	G 3/8"
		19 900 5325	G 1/2"
	Female/Female/Male	19 900 5332	G 1/4"
		19 900 5334	G 3/8"
		19 900 5335	G 1/2"
L-Piece	Male/Male	19 900 5361	G 1/8"
		19 900 5362	G 1/4"
		19 900 5364	G 3/8"
		19 900 5365	G 1/2"
	Female/Female	19 900 5371	G 1/8"
		19 900 5372	G 1/4"
		19 900 5374	G 3/8"
		19 900 5375	G 1/2"
		19 900 5379	G 1"
	Male/Female	19 900 5382	G 1/4"
		19 900 5384	G 3/8"
		19 900 5385	G 1/2"
Y-Piece	Female/Female/Female	19 900 5916	G 1/4"
		19 900 5912	G 3/8"
		19 900 5902	G 1/2"
	Female/Male/Female	19 900 5920	G 1/4"
		19 900 5921	G 3/8"
		19 900 5925	G 1/2"
Cross	Female/Female/Female/Female	19 900 5906	G 1/8"
		19 900 5905	G 1/4"
		19 900 5904	G 3/8"
		19 900 5903	G 1/2"
	Male/Female/ Female/Male	19 900 5932	G 1/4"
		19 900 5934	G 3/8"
		19 900 5935	G 1/2"

Check with an authorized CEJN distributor for availability and prices.

Application Guide

Series	141	221	341	342	344	345	346	347	348	441	442
Applications											
Industrial environment				●							●
Chemical environment							●				
Laboratory environment			●				●				
Air cushions			●	●						●	
Air Supply lines				●							●
Refilling equipment										●	
Firefighting equipment					●				●		
Compressed air-fed breathing air				●				●			
Dry suit inflation		●									
Water diving with tubes		●	●								
Water diving with surface air						●		●			
Liquid Supply	●										
Airflow											
86 l/min (3 CFM)	●										
580 l/min (20.5 CFM)		●									
650 l/min (23 CFM)									●		
800 l/min (28 CFM)							●				
1100 l/min (39 CFM)						●		●			
1950 l/min (69 CFM)			●	●	●						
3950 l/min (140 CFM)										●	●
Material*											
Brass, chrome-plated	●	●									
Steel, zinc-plated				●							●
Stainless steel AISI 316							●				
Brass, nickel-plated			●			●				●	
Brass, nickel-plated/stainless steel									●		
Pre-applied conical threaded couplings			●	●	●	●		●	●		
Sealing											
NBR	●	●	●	●	●	●	●	●		●	●
EPDM			o	o	o				●	o	o
NBR for low-temp applications			o	o	o						
Function											
Single shut-off	●	●	●	●	●		●	o		●	●
Double shut-off						●		●	●		
Working Pressure											
10 bar (145 PSI)	●								●		
35 bar (508 PSI)		●	●	●	●	●	●	●		●	●

● = Standard o = On request

* All springs and balls are stainless steel.

CEJN Breathing Air Products are Lifesaving Connections

"Our products are used where ever that life and health are exposed to hazards," says Peter Kling, product engineering manager for MSA AUER GmbH. "Therefore, it is critical that our products are equipped with components that are reliable and trustworthy."

Located in Berlin, Germany, MSA AUER has over 100 years of experience in providing high-tech safety solutions worldwide, such as equipment for personal protection, breathing protection, and head, body, and face protection; fire fighting; and gas detection. And for over 30 years, CEJN has been meeting MSA AUER's demanding requirements for coupling technology – and for good reason, Kling says.

"CEJN products are the benchmark for quality and overall performance, which is the result of its commitment to continuous improvement and its focus on customer requirements.

"We have a strong, close working relationship with CEJN's German representative and the CEJN engineering staff in Sweden. In fact, because of CEJN's expertise in breathing air technology, we actively recruit CEJN's participation in our development of high-end breathing apparatus that routinely sets standards in safety and gas detection."

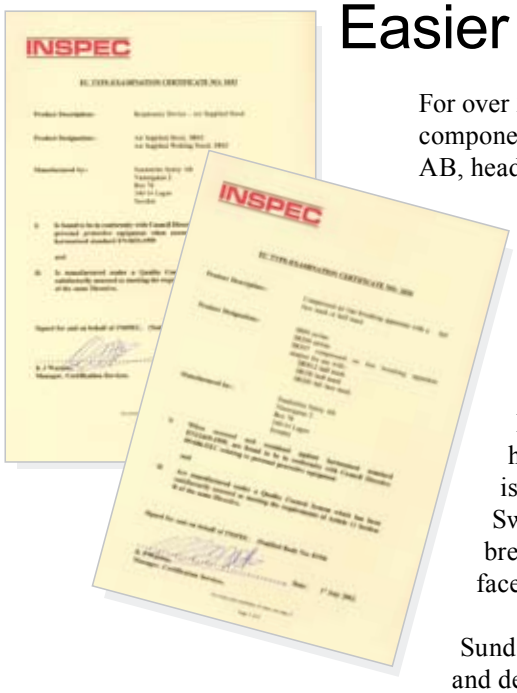
CEJN Series 341 and Series 344 couplings are used as intermediate pressure air connections for firefighting and industrial self-contained breathing apparatus (SCBAs), airline breathing devices, and test benches for breathing apparatus.

"The couplings perform just as they are touted by CEJN," Kling adds. "They provide a high flow rate and a broad connection range, and require only minimal force to connect."

CONTACT PERSON:
Peter Kling
Product Engineering Manager

COMPANY:
MSA AUER GmbH
Berlin, Germany
www.msa-auer.de

Sundström Customers Breath Easier with Help of CEJN Products



For over 25 years, CEJN breathing air products have been integral components on respiratory protection equipment made by Sundström Safety AB, headquartered in Lidingö, Sweden.

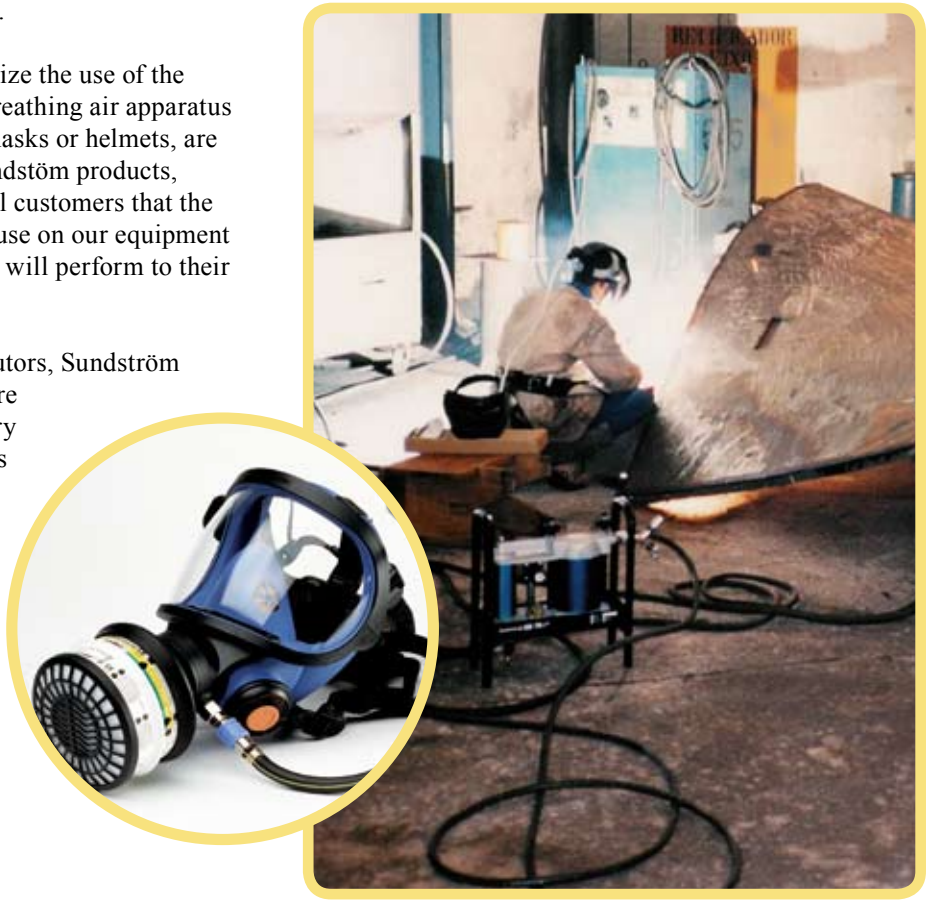
"CEJN couplings and nipples meet our requirements completely, and their performance is outstanding," says Lars Ronner, Technical Sales Manager at Sundström. "The couplings have the high airflow rate and quality that our products and industry demand."

Directly involved in saving lives, CEJN breathing air products have important functions on Sundström breathing apparatus, which is assembled at the company's manufacturing facility in Lagan, Sweden. CEJN components connect compressed air supply tubes to the breathing apparatus and breathing hose to the apparatus' regulator and face piece.

Sundström's confidence in CEJN products and the company's research and development efforts led to collaboration when Sundström needed hose and coupling products that meet demanding requirements of European Standards. CEJN engineers developed custom Series 228 couplings and now-standard Stream-Line spiral anti-spark hose and hose kits to meet stringent certification requirements for EN14594:2005.

The certifications, which authorize the use of the CEJN products on light-duty, breathing air apparatus when used with air filters and masks or helmets, are important endorsements for Sundstöm products, Ronner says. "The approvals tell customers that the hose and coupling products we use on our equipment meet industry requirements and will perform to their expectations."

Sold through worldwide distributors, Sundström respiratory protection devices are designed for civilian and military use and include such products as face masks, filters, and escape hoods.



CONTACT PERSON:
Lars Ronner
Technical Sales Manager

COMPANY:
Sundström Safety AB
Lidingö, Sweden
www.srsafety.se

Units, Conversion Tables, and Formulas

Pressure

From	To	Multiply by	Example
MPa (megapascal) *	bar	10	10 MPa x 10 = 100 bar
MPa	kp/cm^2	10.197	10 MPa x 10.197 = 101.97 kp/cm^2
MPa	PSI	145.0	10 MPa x 145.0 = 1450 PSI
bar (bar)	kp/cm^2	1.020	10 bar x 1.020 = 10.2 kp/cm^2
bar	MPa	0.1	10 bar x 0.1 = 1.0 MPa
bar	PSI	14.504	10 bar x 14.504 = 145 PSI
kp/cm^2 (kilopound/cm^2)	bar	0.981	10 kp/cm^2 x 0.981 = 9.81 bar
kp/cm^2	MPa	0.0981	10 kp/cm^2 x 0.0981 = 0.981 MPa
kp/cm^2	PSI	14.223	10 kp/cm^2 x 14.223 = 142.2 PSI
PSI (Pounds/square inch)	bar	0.0689	100 PSI x 0.0689 = 6.89 bar
PSI	kp/cm^2	0.0703	100 PSI x 0.0703 = 7.03 kp/cm^2
PSI	MPa	0.00689	100 PSI x 0.00689 = 0.689 MPa
atm (atmosphere)	bar	1.01325	1.1 atm x 1.01325 = 1.115 bar
atm	kp/cm^2	1.0332	1.1 atm x 1.0322 = 1.137 kp/cm^2
atm	PSI	14.696	1.1 atm x 14.695 = 16.166 PSI
atm	MPa	0.10132	1.1 atm x 0.10132 = 0.111 MPa

Flow

From	To	Multiply by	Example
l/s (liter/second) *	l/min	60	10 l/s x 60 = 600 l/min
l/s	CFM	2.119	10 l/s x 2.119 x 21.2 CFM
l/min (liter/minute)	l/s	0.0167	100 l/min x 0.0167 = 1.7 l/s
l/min	CFM	0.0353	100 l/min x 0.0353 = 3.5 CFM
CFM (cubic feet/minute)	l/min	28.32	100 CFM x 28.32 = 2832 l/min
CFM	l/s	0.472	100 CFM x 0.472 = 47.2 l/s
m^3/h (cubic meter/hour)	l/min	16.667	10 m^3/h x 16.667 = 166.7 l/min

Volume

From	To	Multiply by	Example
m^3 (cubic meter) *	liter	1000	10 m^3 x 1000 = 10 000 liter
m^3	ft^3	35.3	10 m^3 x 35.3 = 353 ft^3
liter (liter)	m^3	0.001	100 liter x 0.001 = 0.1 m^3
liter	ft^3	0.0353	100 liter x 0.0353 = 3.53 ft^3
liter	gallon (US)	0.264	100 liter x 0.264 = 26.4 gallon (US)
liter	gallon (Imperial)	0.220	100 liter x 0.220 = 22.0 gallon (Imperial)
ft^3 (cubic feet)	m^3	0.0283	10 ft^3 x 0.0283 = 0.283 m^3
ft^3	liter	28.32	10 ft^3 x 28.32 = 283.2 liter
gallon (US)	liter	3.785	10 gallon (US) x 3.785 = 37.85 liter
gallon (Imperial)	liter	4.546	10 gallon (Imperial) x 4.546 = 45.46 liter
in^3 (cubic inch)	cm^3	16.387	10 in^3 x 16.387 = 163.87 cm^3
cm^3 (cubic centimeter)	in^3	0.0610	10 cm^3 x 0.0610 = 0.610 in^3

Length

From	To	Multiply by	Example
m (meter) *	ft	3.28083	10 m x 3.28083 = 32.8083 feet
ft (feet)	m	0.3048	10 feet x 0.3048 = 3.048 m
mm (millimeter)	inch	0.0393	10 mm x 0.0393 = 0.393 inch
inch	mm	25.4	10 inch x 25.4 = 254 mm

* SI-unit, international unit according to "Systèm International d'Unités."

Units, Conversion Tables, and Formulas

Force

From	To	Multiply by	Example
N (newton) *	kp	0.1020	10 N x 0.1020 = 1.02 kp
N	lbf	0.2248	10 N x 0.2248 = 2.25 lbf
kp (kilogram force)	N	9.806	10 kp x 9.806 = 98.06 N
kp	lbf	2.205	10 kp x 2.204 = 22.05 lbf
lbf (pound force)	kp	0.454	10 lbf x 0.454 = 4.54 kp
lbf	N	4.448	10 lbf x 4.448 = 44.48 N

Mass

From	To	Multiply by	Example
kg (kilogram) *	lb	2.205	10 kg x 2.205 = 22.05 lb
lb (pound)	kg	0.454	10 lb x 0.454 = 4.54 kg

Torque

From	To	Multiply by	Example
Nm (newton meter)	kpm	0.1020	10 Nm x 0.1020 = 1.02 kpm
Nm	lbfft	0.7376	10 Nm x 0.7376 = 7.38 lbfft
kpm (kilo pound meter)	Nm	9.81	10 kpm x 9.81 = 98.1 Nm
kpm	lbfft	7.233	10 kpm x 7.233 = 72.33 lbfft
ibfft (pound force foot)	Nm	1.356	10 kpm x 1.356 = 13.56 Nm
ibfft	Nm	0.1383	10 kpm x 0.1383 = 1.38 kpm

* SI-unit, international unit according to "Systèm International d'Unités."

Thread Sealant

- Ready to be attached
- Seals directly

CEJN Pre-Applied Thread Sealant

CEJN's thread sealant is a water-based, non-toxic, dry, non-hardened sealant that seals against pressure immediately after assembly. The thread sealant does not lock the threaded components together, which makes the coupling easy to remove.

The sealant is gas- and water-approved in accordance with KTW, DVGW, ÖVGW, and SVGW. It is vibration resistant and free of any organic solvents. Seals up to 150 bar (2175 PSI) and has a maximum temperature of +150°C (+302°F). The sealant has been approved by leading breathing air equipment manufacturers.

Series 341, 342, 344, 345, 347, and 348

All couplings with conical male threads are pre-applied with thread sealant. Pre-applied nipples are available on request.

Sealing Material – *Overview*

Material	Features	Temperature Range	Media
NBR Nitrile Rubber "Buna-N"	Resistant to water, gasoline, grease mineral oil, heat, and alkalis. Sensitive to ozone.	-30°C to +100°C (-22°F to +212°F)	Breathing air, compressed air, oil, water
FPM Fluorocrabon Rubber Viton®	Not recommended for breathing air. Can release small amounts of mustard gas at high temperatures.	-15°C to +200°C (-5°F to +392°F)	Chemicals, hot air
EPDM Etylene Propylene Rubber "EPDM"/ "EPM" / “EP”	Good qualities for hot water, alkalines, and acids. Not recommended for mineral oil.	-40°C to +150°C (-40°F to +302°F)	Breathing air, Water
NBR for low-temperatures	Recommended for low-temperature applications	-40°C to +100°C (-40°F to +212°F)	Breathing air

Contact CEJN for more detailed information regarding sealing material and chemical compatibility with CEJN couplings.

Maintanence Advice – *Breathing Air Couplings and Nipples*

To guarantee a coupling’s function, quality and lifetime, be sure to:

- Keep the coupling and nipple clean and dry.
- Avoid front-end impacts to the coupling and nipple.
- Check the sealing of the coupling and its moving parts regularly.
- Check the nipples on a regular basis. If they are heavily worn or marked, replace them. Worn nipples lead to greater wear on the couplings and can cause leakage.
- Choose the proper connection for the application. Oversized connections cause unnecessary wear to the coupling.

Technical Data – *Measurement and Units*

All technincal data are measured according to CEJN standards. Contact CEJN for more detailed information.

Airflow: Measured within an accuracy of ±5%. The unit used is normal air per minute (nl/min) at +20°C (+68°F) and 1.01325 bar (14.69595 PSI).

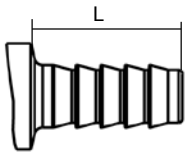
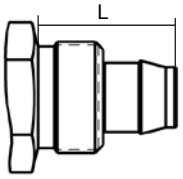
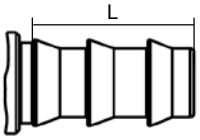
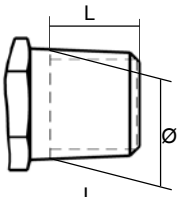
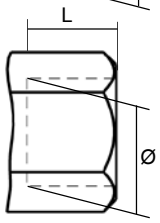
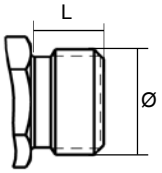
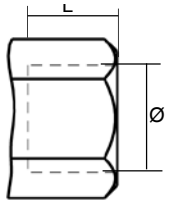
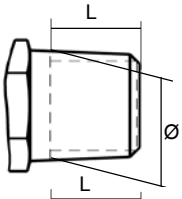
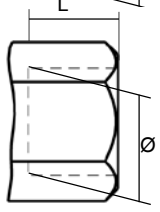
Working pressure: Specified in bar and pounds per square inch (PSI). Working pressure is often stipulated in the varying national and international standards for quick connect coupling.

Burst pressure: Specified in bar and PSI and measured with an accuracy of ±2%. Minimum burst pressure is calculated by multiplying the safety factor by the working pressure.

Weight: Measured in grams (g) as an average of 10 pieces.

Temperature range: Measured in Celsius degrees within an accuracy of ±2°C (±3.6°F).

Connections and Thread Standards

		Connection	Ø mm	L mm
Hose Connection Standard hose barb for hose clamp		6.3 mm (1/4") 8.0 mm (5/16") 10.0 mm (3/8") 13.0 mm (1/2") 16.0 mm (5/8")	- - - - -	18.0 18.0 21.0 21.0 23.0
Stream-Line Connection Hose barb with nut cap for reusable and safe hose clamping		5.0 x 8.0 mm 6.5 x 10.0 mm 8.0 x 12.0 mm 9.5 x 13.5 mm 11.0 x 16.0 mm	- - - - -	15.0 17.0 19.0 21.0 25.0
CEJN-Lock Connection For special non-clamping hose		1/4" 3/8" 1/2"	- - -	19.0 23.0 26.0
BSPT Thread Connetion Conical pipe thread according to ISO 7/1 Male: ie. R 1/4" Female: ie. Rp 1/4" (parallel) ie. Rc 1/4" (taper)	 	**Male thread** R 1/8" R 1/4" R 3/8" R 1/2" R 3/4" **Female thread** Rc 1/8" Rc 1/4" Rc 3/8" Rc 1/2" Rc 3/4"	 10.2 13.6 17.2 21.7 27.1 8.3 11.0 14.5 18.0 23.5	 7.4 11.0 11.0 15.0 16.3 7.4 11.0 11.4 15.0 16.3
BSP Thread Connection Cylindrical pipe thread according to ISO 228/1 Male: ie. G 1/4" Female (ISO 1179): ie. G 1/4"	 	**Male thread** G 1/8" G 1/4" G 3/8" G 1/2" G 3/4" **Female thread** G 1/8" G 1/4" G 3/8" G 1/2" G 3/4"	 9.6 13.0 16.5 20.8 26.3 8.75 11.8 15.25 19.0 24.5	 8.0 10.0 10.0 12.0 12.0 7.4 11.0 11.4 15.0 16.3
NPT Thread Connection National Pipe Thread American standard according to ANSI/ASME B 1.20.1 Male and female: Ex. 1/4" NPT	 	**Male thread** 1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT 3/4" NPT **Female thread** 1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT 3/4" NPT	 10.5 14.0 17.5 21.8 27.1 8.5 11.0 14.5 18.0 23.0	 6.7 10.2 10.4 13.6 13.9 6.9 10.0 10.3 13.6 14.1

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