ULTRA HIGH-PRESSURE HYDRAULICS

Ultra High-Pressure Hose Assemblies

- Delivered with the Highest Safety Standards on the Market

CEJN hose assemblies are always delivered with CEJN original couplings and nipples.

The CEJN Quality

Working with ultra high-pressure hydraulics is a serious task. Sometimes work has to be done in extremely confined spaces and involves heavy machine parts that need to be dismantled for repair. Other times the environment might be a challenge due to remote areas as mountain tops or out at sea where conditions are tough, like in wind power turbine installations.

CEJN hose assemblies are delivered pressure tested and ready to use. This to ensure safe operation and maximum performance. We take responsibility and you can rest assured, CEJN is no newcomer. We have more than 40 years of experience in the ultra high-pressure hydraulic business and safety is one of our top priorities. Over the years we've learned that extreme pressures require extreme safety and that is why we put our finished product through extensive testing before reaching the customer.

Read more about our safety work in our Safety Guideline folder. Download it at www.cejn.com/manuals

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Hose Assemblies to Fit Your Needs

Every customer is unique to us at CEJN and that is why each ultra high-pressure hose assembly for hydraulics is assembled to your needs. Choose the hose that fulfils your requirements and we'll cut it to your preferred length and, depending on your specifications, assemble our high-performance, quick connect coupling and nipple. Before delivery each kit is pressure tested for safety and performance.

The CEJN ultra high-pressure hose is a spiralized steel reinforced polymer hose that picks up where conventional product capabilities stop. Together with our quick connect couplings and adapters you get a safe and high-performing product that will keep you safe.

	70 MPa (DN 6)	70 MPa (DN 10)	72 MPa (DN 6)	100 MPa (DN 6)	150 MPa (DN 5)	180 MPa (DN 5)	250 MPa (DN 5)	300 MPa (DN 4)
Reinforcement	2 steel- + 2 synthetic layers	3 steel layers	4 steel layers	4 steel layers	2 steel layers	4 steel layers	6 steel layers	6 steel layers
Outer cover	Polyurethane (PUR)	Polyurethane (PUR)	Polyurethane (PUR)	Polyurethane (PUR)	Polyamide (PA)	Polyamide (PA)	Polyamide (PA)	Polyamide (PA)
Inner tube	Polyamide (PA)	Polyamide (PA)	Polyamide (PA)	Polyamide (PA)	Polyoxymethylene (POM)	Polyoxymethylene (POM)	Polyoxymethylene (POM)	Polyoxymethylene (POM)
ID x OD	6.3 x 12.4 mm	9.7 x 18.0 mm	6.4 x 12.5 mm	6.3 x 13.3 mm	4,9 x 9,5 mm	4.7 x 11.5 mm	4.7 x 13.0 mm	3.9 x 11.5 mm
Max. working pressure	70.0 MPa	70.0 MPa	72.0 MPa	100.0 MPa	150.0 MPa	180.0 MPa	250.0 MPa	300.0 MPa
Min. burst pressure	186.0 MPa	215.0 MPa	288.0 MPa	320.0 MPa	375.0 MPa	450.0 MPa	625.0 MPa	700.0 MPa
Min. bend radius	70 mm (2.8")	120 mm (4.7")	70 mm (2.8")	80 mm (3.1")	95 mm (3.7")	130 mm (5.1")	175 mm (6.9")	140 mm (5.5")
Weight	190 g/m (6.7 oz)	500 g/m (17.6 oz)	250 g/m (8.8 oz)	305 g/m (10.7 oz)	140 g/m (4.9 oz)	280 g/m (9.9 oz)	410 g/m (14.4 oz)	290 g/m (10.2 oz)
Temperature range	-40°C – +100°C (-40°F – +212°F)	-40°C – +100°C (-40°F – +212°F)	-40°C – +100°C (-40°F – +212°F)	-40°C – +100°C (-40°F – +212°F)	-10°C – +70°C (14°F – +158°F)	-40°C – +100°C (-40°F – +212°F)	-40°C – +100°C (-40°F – +212°F)	-40°C – +100°C (-40°F – +212°F)

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70 MPa (DN 6)

	Part No.	Description
HOSE	19 951 0701	Red
	19 951 0702	Yellow
	19 951 0703	Black
	19 951 0704	Blue
TWIN HOSE	19 951 0710	Red/Yellow
	19 951 0711	Black/Yellow
END CONNECTIONS	19 951 0730	G 1/4" male with 60° int. sealing cone + recess for Tredo ring
	19 951 0731	G 1/4" male with recess for USIT ring
	19 951 0732	G 1/4" male with 120° ext. sealing cone (CMS)
	19 951 0733	G 1/4" male flat end for copper washer
	19 951 0734	1/4" NPT male
	19 951 0735	3/8" NPT male
	19 951 0736	R 3/8" male
	19 951 0737	Sealing head (60°) + G 1/4" female swivel nut
	19 951 0738	Sealing head (60°) + M14 x 1.5 female swivel nut
	19 951 0739	24° ext. sealing cone with O-ring + M18 x 1.5 female swivel nut
	19 951 0740	3/8" NPT fixed female
	19 951 0741	R 1/4" male
	19 951 0743	1/4" NPT fixed female
ACCESSORIES	19 951 1080	Kink-protection spring
	19 951 1081	Clamb for twin-hose
	19 951 1880	Protection hose PVC
RUBBER METAL SEAL	19 950 0062	For 1/4" parallel male thread (tredo/dowty)
	19 950 0084	For 1/4" parallel male thread (USIT ring)

72 MPa (DN 6)

	Part No.	Description
HOSE	19 951 0721	Red
	19 951 0722	Yellow
	19 951 0723	Black
	19 951 0724	Blue
TWIN HOSE	19 951 0791	Black/Red
	19 951 0792	Red/Blue
	19 951 0793	Yellow/Black
	19 951 0794	Red/Yellow
END CONNECTIONS	19 951 0730	G 1/4" male with 60° int. sealing cone + recess for Tredo ring
	19 951 0731	G 1/4" male with recess for USIT ring
	19 951 0732	G 1/4" male with 120° ext. sealing cone (CMS)
	19 951 0733	G 1/4" male flat end for copper washer
	19 951 0734	1/4" NPT male
	19 951 0735	3/8" NPT male
	19 951 0736	R 3/8" male
	19 951 0737	Sealing head (60°) + G 1/4" female swivel nut
	19 951 0738	Sealing head (60°) + M14 x 1.5 female swivel nut
	19 951 0739	24° ext. sealing cone with O-ring + M18 x 1.5 female swivel nut
	19 951 0740	3/8" NPT fixed female
	19 951 0741	R 1/4" male
	19 951 0743	1/4" NPT fixed female
ACCESSORIES	19 951 1080	Kink-protection spring
	19 951 1081	Clamb for twin-hose
	19 951 1880	Protection hose PVC
	19 951 1085	Hose bend protector, plastic black
	19 951 1086	Hose bend protector, plastic blue
	19 951 1087	Hose bend protector, plastic red
	19 951 1088	Hose bend protector, plastic yellow
RUBBER METAL SEAL	19 950 0062	For 1/4" parallel male thread (tredo/dowty)
	19 950 0084	For 1/4" parallel male thread (USIT ring)

70 MPa (DN 10)

	Part No.	Description
HOSE	19 951 0061	Black
END CONNECTIONS	19 951 0066	G 3/8" male
	19 951 0067	3/8" NPT male
RUBBER METAL SEAL	19 950 0064	For 3/8" parallel male thread (tredo/dowty)

100 MPa (DN 6)

	Part No.	Description
HOSE	19 951 1001	Black
	19 951 1002	Blue
	19 951 1003	Red
	19 951 1004	Yellow
TWIN HOSE	19 951 1010	Red/Blue
	19 951 1011	Red/Yellow
	19 951 1012	Red/Black
END CONNECTIONS	19 951 0730	G 1/4" male with 60° int. sealing cone + recess for Tredo ring
	19 951 0731	G 1/4" male with recess for USIT ring
	19 951 0732	G 1/4" male with 120° ext. sealing cone (CMS)
	19 951 0733	G 1/4" male flat end for copper washer
	19 951 0734	1/4" NPT male
	19 951 0735	3/8" NPT male
	19 951 0736	R 3/8" male
	19 951 0737	Sealing head (60°) + G 1/4" female swivel nut
	19 951 0738	Sealing head (60°) + M14 x 1.5 female swivel nut
	19 951 0739	24° ext. sealing cone with O-ring + M18 x 1.5 female swivel nut
	19 951 0740	3/8" NPT fixed female
	19 951 0741	R 1/4" male
	19 951 0743	1/4" NPT fixed female
ACCESSORIES	19 951 1080	Kink-protection spring
	19 951 1081	Clamb for twin-hose
	19 951 1880	Protection hose PVC
	19 951 1085	Hose bend protector, plastic black
	19 951 1086	Hose bend protector, plastic blue
	19 951 1087	Hose bend protector, plastic red
	19 951 1088	Hose bend protector, plastic yellow
RUBBER METAL SEAL	19 950 0062	For 1/4" parallel male thread (tredo/dowty)
	19 950 0084	For 1/4" parallel male thread (USIT ring)

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150 MPa (DN 5)

	Part No.	Description
HOSE	19 951 1511	Blue
END CONNECTIONS	19 951 1542	G 1/4" male with 120° ext. sealing cone (CMS)

180 MPa (DN 5)

	Part No.	Description
HOSE	19 951 1801	Blue
END CONNECTIONS	19 951 1830	G 1/4" male with 60° int. sealing cone + recess for Tredo ring
	19 951 1831	G 1/4" male flat end for copper washer, with recess for USIT ring
	19 951 1832	G 1/4" male with 120° ext. sealing cone (CMS)
	19 951 1833	Sealing head (60°) + G 1/4" female swivel nut
	19 951 1835	59° ext. sealing cone + 9/16"-18 UNF female swivel nut
	19 951 1836	Sealing head (60°) + M14 x 1.5 female swivel nut
ACCESSORIES	19 951 1880	Protection hose PVC
RUBBER METAL SEAL	19 950 0062	For 1/4" parallel male thread (tredo/dowty)
	19 950 0084	For 1/4" parallel male thread (USIT ring)
RUBBER METAL SEAL. HIGH STRENGTH VERSION	19 950 0083	For 1/4" parallel male thread (tredo/dowty)

250 MPa (DN 5)

	Part No.	Description
HOSE	19 951 2501	Red
END CONNECTIONS	19 951 2530	G 1/4" male with 120° ext. sealing cone (CMS)
	19 951 2534	G 1/4" male flat end for copper washer
	19 951 2531	Sealing head (60°) + G 1/4" female swivel nut
	19 951 2533	M16x1.5 male with 60° ext. cone
	19 951 2532	59° ext. sealing cone + 9/16"-18 UNF female swivel nut
ACCESSORIES	19 951 1880	Protection hose PVC

300 MPa (DN 4)

	Part No.	Description
HOSE	19 951 3001	Blue
END CONNECTIONS	19 951 3030	9/16"- 18 UNF female swivel
	19 951 3031	1/4" - 28 UNF Left hand
	19 951 3032	M16 x 1,5 male
ACCESSORIES	19 951 1880	Protection hose PVC

Improve your safety with CEJN CIS

TAKE CONTROL OF YOUR ULTRA HIGH-PRESSURE HYDRAULIC HOSE ASSEMBLY. Working with high-pressure hydraulics is associated with a danger to your life. Therefore, it is vitally important to eliminate risk as far as possible. When using high-pressure products from CEJN, you can rest assured that you have made a safe choice, as we work on safety throughout the entire production chain using our knowledge gained from 40 years of experience.

CEJN is now releasing a new technology for your safety: **CEJN IDENTIFICATION SYSTEM (CIS)** - a tracking solution in which every hose assembly is chipped and has an individual marking and traceability based on Near Field Communication (NFC*). This means that you can not only check technical data, but can also view an update history log: when the hose was first and most recently pressure-tested and when it is time to take it out of service.

*****NFC: Wireless data transfer that detects and then enables technology in close proximity to communicate without the need for an internet connection. An NFC chip operates as one part of a wireless link. Once it has been activated by another chip, small amounts of data between the two devices can be transferred when held a few centimetres from each other.*

CEJN IDENTIFICATION SYSTEM
NFC TECHNOLOGY

PATENTED

Mobile Interface

- NFC* enabled phones (Android)
- Read function
- Off-line
- Quick on-sitesafety check
- Download app from www.cejn.com/cis

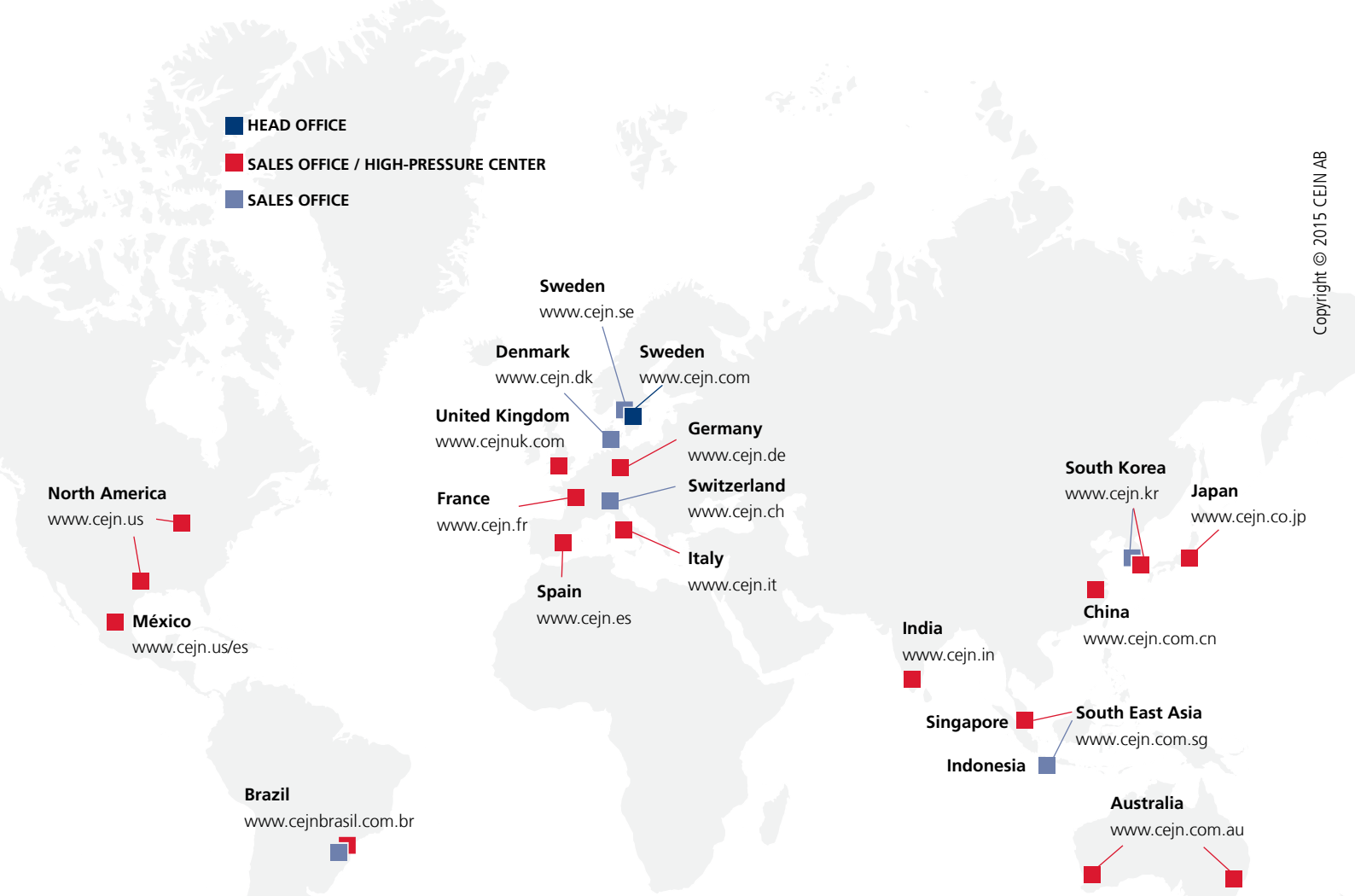
Google play

Computer Interface

- USB Reader type: ARC 122
- Windows 7, 8 or 10 compatible
- Read and Write function
- Update the hose assembly history logg
- Export all tags to database (Excel)

THE CIS TAG IS BASED ON NFC* TECHNOLOGY.
Encrypted information about the hose assembly is stored on an electronic chip which is placed between the two layers of the plastic tag attached to the hose. There is no need for connection to a database. The tag is made of wear and tear resistant material and can be customised on request. QR code links to user manual.

Read more at: www.cejn.com/cis



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Made in Sweden since 1955

We have been producing professional, high-quality and innovative quick connect couplings here at CEJN since our first patented coupling was launched in 1955. CEJN is an independent global niche company with its head office in the heart of Sweden. Over the years we have expanded to 22 locations worldwide and are supplying products and services to virtually every industry segment. At CEJN, we are united by our five core values: safety, environment, quality, innovation and performance. They are our cornerstones and define who we are, how we work, what we believe in and what we stand for.

Contact your local sales office or visit www.cejn.com for more information.

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The Quick Connect
Solution Provider