



The Next Generation

The upgraded range of ultra high-pressure hydraulic couplings from CEJN, safer than ever.

The Next Generation



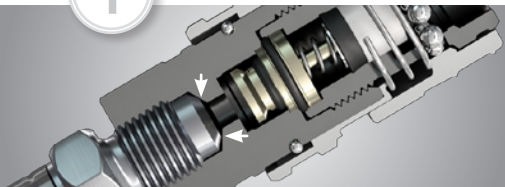
EXTREME PRESSURE DEMANDS EXTREME SAFETY

Being a manufacturer of high pressure hydraulic components entail responsibility. This is why CEJN presents an upgraded range of ultra high-pressure quick connect couplings – The Next Generation. The term “The Next Generation” comprises a process of development that has an extensive history and future. Over the years, the demand for smaller and lighter tools has increased, and these tools needs higher pressure to generate the required power. Extreme pressure demands a high level of safety as a leak or accidental disconnection could cause serious personal injury or damage to machinery.

CEJN has been in the Ultra High-pressure business for 50 years, and our area of expertise is minimizing the risks while increasing the pressure. These are our six milestones to a safer product.



1



2



3



CEJN Metal Seal (CMS)

CEJN Metal Seal is the optimum and recommended sealing method developed to be a safe and reliable seal even at extremely high pressures. Due to the smaller diameter and position of CMS, stress is kept to a minimum. In the unlikely event of leakage, the oil pressure will be dispersed within the coupling without any danger to the operator.

Quality assured Locking Balls

At the core of a coupling, you'll find a set of tiny steel balls, carrying a load of approximately 300 kg each. CEJN has a deep expertise around exact hardening processes, the right calculations and possesses an advanced laboratory where the necessary tests are conducted. The locking balls have a critical function and are therefore subject to a comprehensive quality assurance program.

Alert Ring for safe connection

Since 2014 CEJN ultra high-pressure quick connect couplings have an “Alert ring” installed on the front part that clearly indicates if the connection is safe. If the red ring is still visible, the connection is not complete and when pressurizing the system, the nipple may suddenly shoot out of the coupling under pressure.

1960



1967
1000 Bar

1970



1978
1500 Bar

1980



1982
2000 Bar

1990



1987
3000 Bar



6

THE NEXT GENERATION

QUICK-ACTION SAFETY LOCK. Our newest feature is the quick and smooth locking ring giving extended security to your connection. Screw locks are sometimes considered by users to be time consuming and left unscrewed. With The Next Generation unintentional disconnection is practically eliminated, just a quick twist of the bayonet lock and your coupling is secured!

BLUE STANDS FOR SAFETY. CEJN-blue for many people means high industrial quality. With the redesign of our ultra high-pressure range, CEJN-blue has been implemented into the design making it easier for customers to distinguish the quality products of CEJN from other brands. The change applies to series 115, 116, 117 and 125.



CEJN Identification System (CIS)
 CiS is a tracking solution in which every hose kit is chipped and has an individual marking and traceability based on Near Field Communication technology. This means that you can check the technical data for the hose kit and can also view an updated history log: when the kit was first and most recently pressure-tested and when it is time to take it out of service.

CEJN High-Pressure Centre
 The CEJN High-Pressure Centres are located around the world for closer proximity to our markets and are all staffed by certified application experts. Each centre features a hose-crimping facility that assembles hose kits to customer specifications. Every set is checked and measured before delivery for safety and performance to eliminate any risk of failure.



2018

The Next Generation

Series 115, 116, 117 and 125

2000
 1998 Flat-Face with automatic safety lock
 High-pressure hose kits

360°
 2006 Series 116 with integrated swivel

2010
 2011 High-flow Series 115
 T-Connectors

2013 Alert ring
 2014 1500 Bar Stainless-steel
 2017 4000 Bar



NEW DESIGN DUST CAPS

Dirt is a safety hazard. Pollution in a hydraulic system can lead to damage and costly machine downtime. It can also prevent the quick coupling from being fully and securely connected. Therefore, all couplings and nipples are fitted with dust caps, which should always be attached and joined together when the coupling and nipple are in use.

With The Next Generation, you will find a new and more user-friendly design to our dust caps. Just like before they have a slim design, twisting around the coupling and nipple body in order to avoid tangling.



MAN TURBO & DIESEL

Per Pallisgaard Manager, EELEE3 Maintenance Tools
MAN Turbo & Diesel Copenhagen

MAN appreciates the safety mindset of CEJN, and the new locking feature exemplifies a measure taken by a responsible and trustworthy company. From an end-user's perspective, it considerably improves safety, and MAN praises the fact that there is a visual check to ensure that the connection is correct. "From time to time we hear stories of unintentional disconnection," says Per Pallisgaard MAN Turbo & Diesel, continuing, "The new locking ring makes the end-user feel more secure, which is one of our goals."



CONNECTED WIND SERVICES

Jonas Norrman wind power technician,
Connected Wind Services

Being a wind power technician is a difficult, exposed task. You have to squeeze yourself into narrow spaces, carrying heavy tools for bolt stretching and torquing. Sharp edges and angles are potential obstacles that could disconnect a quick-connect coupling without a safety lock. "The new locking feature from CEJN makes me feel much safer," says Jonas Norrman, Connected Wind Services.



Watch MAN Turbo & Diesel and Connected Wind Services in our movie **The Next Generation in Extreme Conditions:**

www.cejn.com/thenextgeneration

