

Ultra High-Pressure Hydraulic Products, Couplings & Nipples

Series 140, 400 MPa

Series 140 is a CEJN original quick connect coupling designed for hydraulic applications with working pressures up to 400 MPa. Recommended for bearing pullers, splitters, bolt tensioning applications, hydraulic test installations and extreme mining applications. This coupling withstands pressures up to 400 MPa while disconnected and the nipple 300MPa while disconnected.

Series 140 features a non-drip design and safety ring to prevent accidental disconnection. As part of the CEJN commitment to safety and quality, each coupling and nipple are pressure tested (up to full working pressure) before delivery. To prevent dust or other small particles from entering the valve and damaging it, anodized aluminum dust caps are standard on both the coupling and nipple.

Applications: Transport (removing steel wheels from axles on train locomotives and rollingstock), mining (rock-face cracking). CEJN Series 140 quick disconnect makes it possible to connect pumps, tools and accessories faster, safer and more conveniently, so that industrial applications can take advantage of 400MPa in their particular niche.



COUPLINGS	Part No.	Connection	Length	Diameter	Hexagon	Max rec. press. cycles	Rec. torque (Nm)	Rec. seal. method
Female thread with 60° sealing cone	10 140 1505	M16x1.5	68.5	34	26	5000	40-50	60° cone
Male thread with 60° sealing cone	10 140 1708	9/16"-18 UNF	68.5	34	24	5000	40-50	60° cone
NIPPLE	Part No.	Connection	Length	Diameter	Hexagon	Max rec. press. cycles	Rec. torque (Nm)	Rec. seal. method
Female thread with 60° sealing cone	10 140 6506	M16x1.5	58	25	22	1000/5000	40-50	60° cone
Male thread with 60° sealing cone	10 140 6708	9/16"-18 UNF	58	25	22	1000/5000	40-50	60° cone

Check with an authorized CEJN distributor for availability and prices. Other connections and sealing material on request. Some part numbers may be subject to minimum order quantities. CEJN reserves the right to make changes without further notification. Thread connections are listed according to ISO Standards. All measurements are in mm.

Technical data

Nominal flow diameter:	2.5 mm (3/32"")
Flow capacity:	4.6 l/min (1.0 GPM UK)
Max. working pressure:	400.0 MPa
Min. burst pressure:	600.0 MPa
Temperature range:	-20°C — +80°C (-4°F — +176°F)
Material coupling:	Hardened black finish steel
Material nipple:	Hardened black finish steel
Material seal:	NBR

Flow capacity is measured at 0.4 MPa pressure drop.

Oil Flow

Pressure drop, MPa

