

High-pressure Hose

Up to 250 MPa



High Quality Hose for High-pressure Hydraulic Applications

Pre-assembled hose kits

PRESSURE TESTED AND READY TO USE



The range of CEJN high-pressure hose is like the rest of the CEJN product range a testament to quality and performance. Only the best is sold under the CEJN brand and this range is clearly part of that tradition. The range contains four hoses with different pressure ratings up to 250 MPa. With a large variety of fittings to choose from, hose kits can be assembled to meet almost all requests.

Advantages!

- Ultra-high working pressures
- Maintained flexibility through entire service life
- Low volumetric expansion
- Smooth inner bores
- Kink-resistant steel-reinforced construction
- Abrasion-resistant covers
- Small outside diameter
- Superior chemical resistance

Benefits!

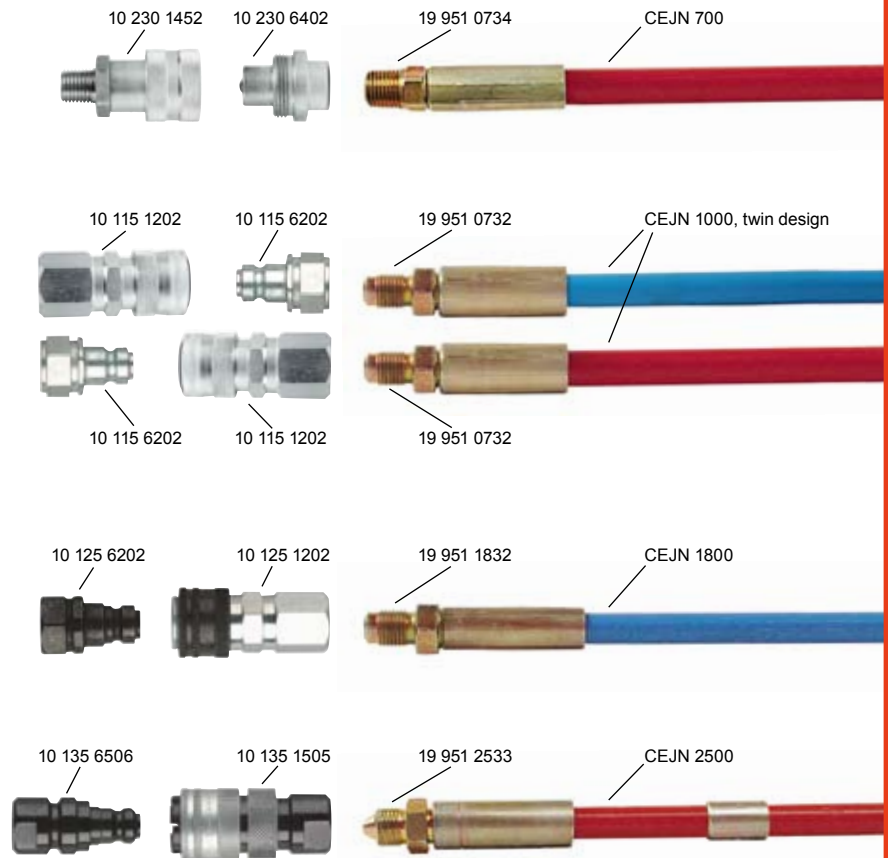
The CEJN High-pressure hose is a spiralized steel reinforced polymer hose that picks up where conventional product capabilities stop. It gives you ultra-high working pressure with maintained flexibility through entire life. Its low volumetric expansion gives fast response time in hydraulic systems while the smooth inner bores provide a minimized pressure drop. A long-lasting service time and extended hose life in even the toughest applications is a result of the kink-resistant steel-reinforced construction, abrasion-resistant covers and a superior chemical resistance. The small outside diameter makes the hose ideal for tight routing.

Hose	CEJN 700	CEJN 1000	CEJN 1800	CEJN 2500
Part no.:				
Hose	19 951 0701 (Red)	19 951 1001 (Black)	19 951 1801 (Blue)	19 951 2501 (Red)
Hose – Twin design	19 951 0710 (Red/Yellow)	19 951 1010 (Red/Blue)	–	–
Design:	Inner tube of polyamide (PA), 2 spiral layers of high tensile steel wire, 2 open spiral synthetic fibre, outer sheath of polyurethane (PUR)	Inner tube of polyamide (PA), 4 layers of spiral wound steel wire, outer sheath of polyurethane (PUR)	Inner tube of polyoxymethylene (POM), 4 spiral layers of high tensile steel wire, outer sheath of polyamide (PA)	Inner tube of polyoxymethylene (POM), 6 spiral layers of high tensile steel wire, outer sheath of polyamide (PA)
Max. working pressure:	70 MPa (10 150 PSI)	100 MPa (14 500 PSI)	180 MPa (26 100 PSI)	250 MPa (36 250 PSI)
Min. burst pressure:	186 MPa (26 970 PSI)	320 MPa (46 600 PSI)	450 MPa (65 250 PSI)	625 MPa (90 620 PSI)
I.D. x O.D.:	6.3 x 12.4 mm	6.3 x 13.3 mm	4.7 x 11.5 mm	4.7 x 13.0 mm
Min. bend radius:	70 mm	80 mm	130 mm	175 mm
Weight:	190 g/m	305 g/m	280 g/m	410 g/m
Temperature range:	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)
Other information:	<i>Other colors upon request</i>			

Hose kits to fit your needs

Opportunities!

Each hose kit is assembled to your order. The hose can be cut in any length and assembled with a large variety of fittings and couplings/nipples. CEJN's series of high performance high-pressure hydraulic couplings are an excellent complement and can be included in any hose kit. Before delivery each kit is pressure tested for safety and performance. When delivered the kits are ready to be used without further assembly, tests or checks, making it a perfect choice to save time and cost. Four hoses with different pressure ratings, a large range of fittings and several high performing couplings makes CEJN High-pressure hose kits a perfect choice for most applications. Below is a condensed list of hose and fittings, more options are available on request.



End connections, Part no.	70/100 MPa	180 MPa	250 MPa
G 1/4" male with 60° int. sealing cone + recess for Tredo ring	19 951 0730	19 951 1830	–
G 1/4" male with recess for USIT ring	19 951 0731	–	–
G 1/4" male with 120° ext. sealing cone (CMS)	19 951 0732	19 951 1832	19 951 2530
G 1/4" male flat end for copper washer (* with recess for USIT ring)	19 951 0733	19 951 1831 *	19 951 2534
1/4" NPT male	19 951 0734	–	–
3/8" NPT male	19 951 0735	–	–
3/8" NPT female	19 951 0740	–	–
R 1/4" male	19 951 0741	–	–
R 3/8" male	19 951 0736	–	–
Sealing head (60°) + G 1/4" female swivel nut	19 951 0737	19 951 1833	19 951 2531
M16x1.5 male with 60° ext. cone	–	–	19 951 2533
Sealing head (60°) + M14 x 1.5 female swivel nut	19 951 0738	–	–
59° ext. sealing cone + 9/16"-18 UNF female swivel nut	–	–	19 951 2532
24° ext. sealing cone with O-ring + M18 x 1.5 female swivel nut	19 951 0739	–	–
Kink-protection spring	19 951 1080	–	–
Clamp for twin-hose	19 951 1081	–	–
Protection hose PVC	–	19 951 1880	–

Accessories	Part no.
Copper washer	09 950 4600
Tredo ring (rubber/metal seal) for G 1/4"	19 950 0062
Tredo ring (rubber/metal seal) for G 1/4", high strength steel	19 950 0083
USIT ring (rubber/metal seal) for G 1/4"	19 950 0084

Thread connections are listed according to ISO standards. Check your local retailer for availability and prices. More information about the CEJN High-pressure Hydraulic Range check www.cejn.com or the CEJN High-pressure Connections Catalog.

The Global



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