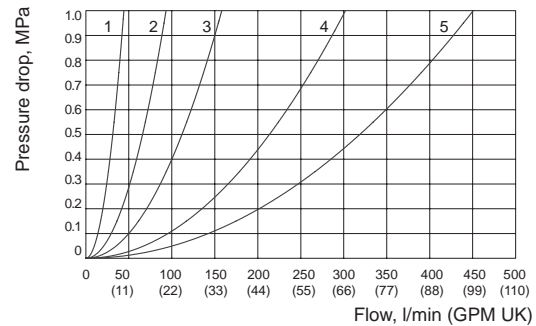


Series 525 Couplings for Mobile Hydraulics

CEJN's new Series 525 couplings offer a heavy-duty design for mobile hydraulic applications, plus added protection against involuntary disconnection.



Flow Chart



1= DN 6.3
2= DN 10.0
3= DN 12.5
4= DN 16.0
5= DN 19.0

In accordance with ISO 7241-2
viscosity 32 mm²/s (cSt)

Chrome-Plated Steel Couplings in a Standard, Heavy-Duty Design

Series 525 features a heavy-duty design with chrome-plated steel as standard. All parts exposed to extreme strain and stress, such as the locking sleeve and nipple, are made of hardened steel for extra protection. These materials ensure that the couplings offer rugged use and a long service life.

Extra Sealing Capacity

Double O-rings and a backup ring give Series 525 improved sealing performance.

Optional Dust Caps Available

To prevent dust and debris from entering the system, dust caps are recommended for use on both the coupling and nipple when they are disconnected. They are available for all sizes and connections (see part numbers on the following page).

DN 6,3 mm (¼") to DN 19 (1") Sizes

CEJN 525 couplings are offered in sizes from ¼" to 1", making them suitable for a wide variety of applications.

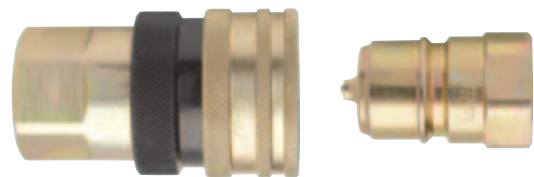
Optional Pressure Eliminator

Both the nipple and coupling are designed with a built-in pressure eliminator, allowing a low-force-to-connect operation, even when either half is under residual pressure.

Security Locking for Extra Protection Against Involuntary Disconnection

As added protection against involuntary disconnection, the coupling design includes a manual security-locking feature. It is engaged by manually turning the black locking ring after connection. The lock is released by returning the ring to its original position prior to disconnection.

Security-Locking Feature



Connection:

Pull the locking sleeve backwards and push the nipple into the coupling. Secure the unit against involuntary disconnection by pushing the black locking ring forward and turn approx. 90°.

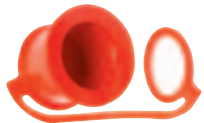


Disconnection:

Turn the black locking ring until it pops out. Pull the locking sleeve backwards and simply remove the nipple.

Technical Data

Material	Coupling:	Steel (yellow zinc chromate plating)				
	Nipple:	Hardened steel (yellow zinc chromate plating)				
Seal material:		Nitrile				
Nominal flow diameter:		DN 6.3	DN 10.0	DN 12.5	DN 16.0	DN 19.0 mm
Flow capacity at pressure drop 0.4 MPa:		29 l/min <i>6.4 GPM UK</i>	59 l/min <i>13.0 GPM UK</i>	100 l/min <i>22.0 GPM UK</i>	194 l/min <i>42.7 GPM UK</i>	285 l/min <i>62.7 GPM UK</i>
Max. working pressure:						
	Connected:	45 MPa	35 MPa	30 MPa	28 MPa	25 MPa
	Disconnected:	30 MPa	28 MPa	25 MPa	20 MPa	25 MPa
Min. burst pressure:						
	Connected:	180 MPa	130 MPa	110 MPa	100 MPa	93 MPa
	Disconnected:	120 MPa	110 MPa	100 MPa	80 MPa	93 MPa
Temperature range:		-30° C to +100° C (-22° F to +212° F)				
Interchangeability:		525 DN 6.3 – TEMA 2500, 525 DN 10.0 – TEMA 3800, 525 DN 12.5 – 5000, 525 DN 16.0 – TEMA 7500, 525 DN 19.0 – TEMA 10000				



		Size DN	Part No.	Connection	Length	Diameter	Hexagon
Couplings	Female thread	6.3	10 525 1202	G 1/4"	60,0	26,0	21
		10.0	10 525 1204	G 3/8"	61,6	35,0	24
		10.0	10 525 1234 *	G 3/8"	61,6	35,0	24
		12.5	10 525 1205	G 1/2"	67,6	41,0	33
		12.5	10 525 1235 *	G 1/2"	67,6	41,0	33
		16.0	10 525 1207	G 3/4"	76,2	52,0	38
		16.0	10 525 1237 *	G 3/4"	76,2	52,0	38
		19.0	10 525 1209	G 1"	92,0	62,0	48
		19.0	10 525 1239 *	G 1"	92,0	62,0	48
Nipples	Female thread	6.3	10 525 6202	G 1/4"	48,2	21,0	19
		10.0	10 525 6204	G 3/8"	38,0	24,0	22
		10.0	10 525 6234 *	G 3/8"	38,0	24,0	22
		12.5	10 525 6205	G 1/2"	42,5	29,0	27
		12.5	10 525 6235 *	G 1/2"	42,5	29,0	27
		16.0	10 525 6207	G 3/4"	47,0	39,0	36
		16.0	10 525 6237 *	G 3/4"	47,0	39,0	36
		19.0	10 525 6209	G 1"	56,5	48,0	45
		19.0	10 525 6239 *	G 1"	56,5	48,0	45
Accessories	Dust caps for couplings	6.3	09 395 1001				
		10.0	09 475 1001				
		12.5	09 595 1001 **				
		16.0	09 675 1001				
		19.0	09 775 1001				
	Dust caps for nipples	6.3	09 375 1051				
		10.0	09 475 1051				
		12.5	09 575 1051 **				
		16.0	09 675 1051				
		19.0	09 775 1051				
Seal kits for couplings	6.3	10 525 4900					
	10.0	10 525 4901					
	12.5	10 525 4902					
	16.0	10 525 4903					
	19.0	10 525 4904					

Couplings / Nipples

* Coupling/nipple with pressure eliminator

Dust Caps

Dust caps can be joined together when the coupling and nipple are connected in order to keep them free of dirt and dust.

** Dust cap for coupling and nipple cannot be joined together.

Seal Kits

Seals kits contain two O-rings and a backup ring.

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