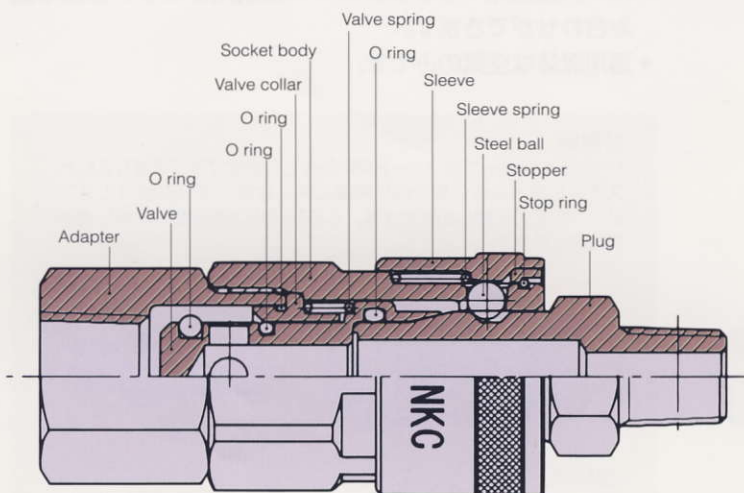


YNL Series

Simple and secure push-to-connect type
For low pressure, wide applications
single valve type

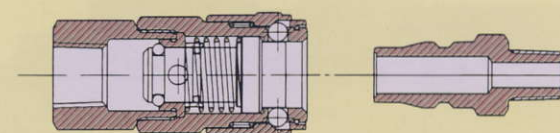


Features

- As well as NL series, the shut-off valve built into the socket opens when the plug is inserted and closes when the plug is removed. Therefore, it is not necessary to operate the main valve when inserting or removing the plug.
- Just push the plug into the socket for simple and secure connection. This reduces connection time and improves efficiency.
- Use YNL series socket and NL series plug together.
- Available only with steel body. Not suitable for water.
- A variety of models are available. You can select the best model to suit your specific operating conditions and applications. For example, various pipe and hose connections are available for pneumatic machinery.

When disconnecting

When the sleeve of the socket is moved to the socket side, the steel ball can move freely in the outer circumferential direction. The plug is pushed out by the reaction force of the valve spring. As a result, the valve closes automatically to stop fluid from flowing.



When connecting

Without moving the sleeve, When the plug is inserted, the valve is opens and fluid flows.

The sleeve returns to its former position by the force of the spring and the steel ball locks in place to ensure connection. The O ring completely prevents fluid leakage.

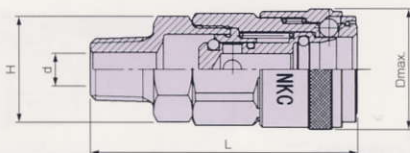
Specification

Model		YNL-22	YNL-23	YNL-24
Nominal diameter		1/4"	3/8"	1/2"
Material of socket / plug body		Steel SC(Chromate plated)		
Connection method	Socket	Female screw(F)·Male screw(M)·Hose Nipple(H)·Urethane hose(B)		
Working pressure MPa (Max.working pressure)	Steel	1.5(2.0)		
O ring material:	Standard	Nitrile rubber(NBR) : -20°C~+80°C		
Working temperature range	Option	Viton(FMP) : -20°C~+180°C		
Applicable fluid	Steel	Air		
Use		Pneumatic tool, Pneumatic piping, Pneumatic machinery		

Notes

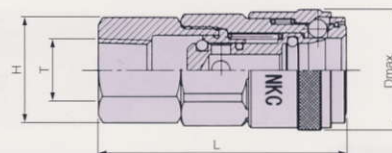
- Fluid must flow from the socket to the plug because of the single valve design.
- When connecting this coupling to vibration tools of machinery, install a 30cm long rubber hose between the tool and the coupling.

YNL Series Socket (S)



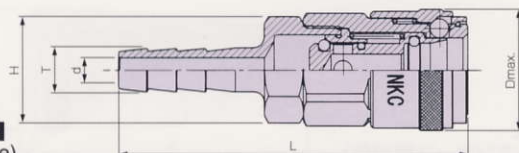
Model SM
(Male thread)

Model	Thread size T (R)	Dimensions(mm)				Mass(g)
		L	Dmax. (φ)	d (φ)	H (Hex)	
YNL-22SM	1/4"	55	25	7	19	95
YNL-23SM	3/8"	56	25	8	19	100
YNL-24SM	1/2"	59	25	9	21	120



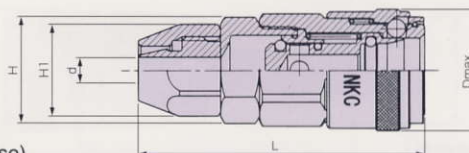
Model SF
(Female thread)

Model	Thread size T (Rc)	Dimensions(mm)			Mass(g)
		L	Dmax. (φ)	H (Hex)	
YNL-22SF	1/4"	51	25	19	95
YNL-23SF	3/8"	53	25	21	105
YNL-24SF	1/2"	55	25	29	132



Model SH
(Hose nipple)

Model	Hose size T	Dimensions(mm)				Mass(g)
		L	Dmax. (φ)	d (φ)	H (Hex)	
YNL-22SH	1/4"	72	25	5	19	95
YNL-23SH	3/8"	76	25	7.5	19	95
YNL-24SH	1/2"	78	25	9	19	110



Model SB
(Urethane Hose)

Model	Hose size		Dimensions(mm)					Mass(g)
	Inner Dia. (mm)	Outer Dia. (mm)	L	Dmax. (φ)	d (φ)	H (Hex)	H1 (Hex)	
YNL-22SB	φ6.5	φ10	59	25	5.5	19	17	110
YNL-23SB	φ8.5	φ12.5	61	25	7.5	19	19	115