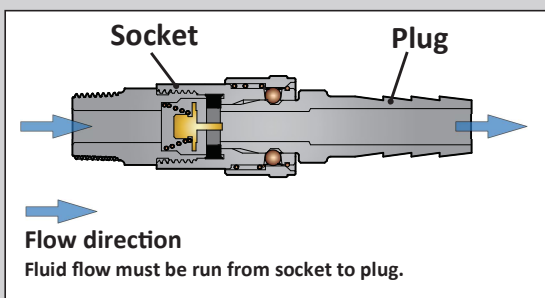


NL Series

For low pressure
Wide applications
Single valve type

Features

- The shut-off valve built into the socket opens when the plug is inserted and closes when the plug is removed.
- Various end configuration to suit a wide application.
(Socket and plug of models NL-21 to NL-24 can be connected, also models NL-44 to NL-48 can be connected.)
- The main body is made of steel, brass or stainless steel.
When made of steel, the main body is hardened to ensure high durability and a high resistance to abrasion.
- A variety of models are available. You can select the best model to suit your specific operating conditions and applications.

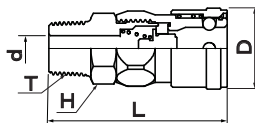
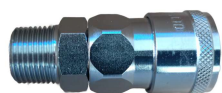


Specification

Model	NL-21	NL-22	NL-23	NL-24	NL-44	NL-46	NL-48
Nominal diameter	1/8"	1/4"	3/8"	1/2"	1/2"	3/4"	1"
Body material	Steel (Nickel chrome plated) / Brass / Stainless steel(SUS304)						
Connection method (type)	Socket	Male thread(M)/ Female thread(F) Hose nipple(H) / Urethane hose(B)					
	Plug						
Max. Working pressure:MPa (Max. Impact pressure)	Steel	1.5(2.0)					
	Brass	1.0(1.5)					
	Stainless steel	1.5(2.0)					
Seal material : Working temperature range	Standard	Nitrile rubber (NBR): -20°C to +80°C					
	Optional	Fluoro rubber (FKM): -20°C to +180°C					
Applicable fluid	Steel	Air					
	Brass	Air / Water					
	Stainless steel	Air / Water					
Use	Pneumatic tool, Pneumatic piping, Pneumatic machinery, water piping, etc.						

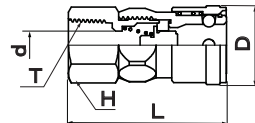
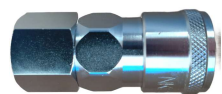


NL Socket (S)



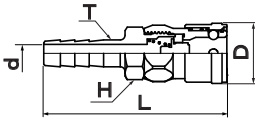
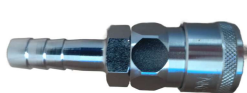
Model SM (Male thread)

Model	T (R)	Dimensions (mm)					Mass (g)		
		L	D(φ)	d(φ)	H(Hex.)		Steel	Brass	Stainless steel
NL-22SM	1/4	55.5	25	7	19		95	104	95
NL-23SM	3/8	55.5	25	8	19		100	109	100
NL-24SM	1/2	59.5	25	9	21		120	132	123
NL-44SM	1/2	64	35	13	29		220	240	218
NL-46SM	3/4	65	35	16	29		240	255	237
NL-48SM	1	69	35	16	35		250	270	245



Model SF (Female thread)

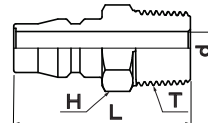
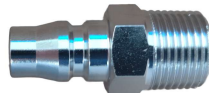
Model	T (Rc)	Dimensions (mm)					Mass (g)		
		L	D(φ)	d(φ)	H(Hex.)		Steel	Brass	Stainless steel
NL-22SF	1/4	49.5	25	9	19		92	101	94
NL-23SF	3/8	50.5	25	9	21		94	103	97
NL-24SF	1/2	52.5	25	9	29		132	146	136
NL-44SF	1/2	59	35	20	29		225	232	225
NL-46SF	3/4	62	35	20	35		235	250	230
NL-48SF	1	65	35	20	41		260	286	263



Model SH (Hose nipple)

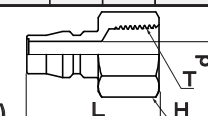
Model	T (φ,mm)	Dimensions (mm)					Mass (g)		
		L	D(φ)	d(φ)	H(Hex.)		Steel	Brass	Stainless steel
NL-22SH	9	72.5	25	5	19		95	104	98
NL-23SH	11.3	76.5	25	7.5	19		100	117	99
NL-24SH	15	78.5	25	9	19		110	240	112
NL-44SH	15	83	35	9	29		220	262	218
NL-46SH	21	92	35	13	29		240	296	235
NL-48SH	27	102	35	19	29		270	108	268

NL Plug (P)



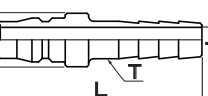
Model PM (male thread)

Model	T (R)	Dimensions (mm)				Mass (g)		
		L	d(φ)	H(Hex.)		Steel	Brass	Stainless steel
NL-21PM	1/8	38	5	14		23	25	24
NL-22PM	1/4	40	7.5	14		25	27	26
NL-23PM	3/8	40	7.5	17		40	45	41
NL-24PM	1/2	46	7.5	21		65	70	66
NL-44PM	1/2	47.5	12.5	21		70	76	70
NL-46PM	3/4	51	12.5	27		115	123	117
NL-48PM	1	54	12.5	35		125	133	128



Model PF (Female thread)

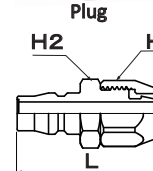
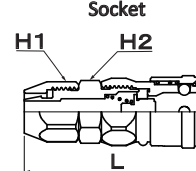
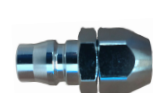
Model	T	Dimensions (mm)				Mass (g)		
		L	d(φ)	H(Hex.)		Steel	Brass	Stainless steel
NL-22PFF	G1/4	32	7.5	17		23	-	-
NL-22PF	Rc1/4	36	7.5	17		30	32	30
NL-23PF	Rc3/8	37	7.5	21		45	48	46
NL-24PF	Rc1/2	38	7.5	29		65	70	65
NL-44PF	Rc1/2	41.5	12.5	29		70	77	71
NL-46PF	Rc3/4	45	12.5	35		106	114	108
NL-48PF	Rc1	54	12.5	41		120	128	118



Model PH (Hose nipple)

Model	T (φ,mm)	Dimensions(mm)				Mass(g)		
		L	D(φ)	d(φ)		Steel	Brass	Stainless steel
NL-22PH	9	57	16	5		27	29	26
NL-23PH	11.3	61	16	7.5		35	38	31
NL-24PH	15	63	18	7.5		50	55	48
NL-44PH	15	67.5	22	9		75	80	75
NL-46PH	21	76.5	30	13		122	132	126
NL-48PH	27	86.5	30	18.5		145	165	148

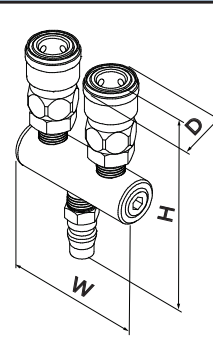
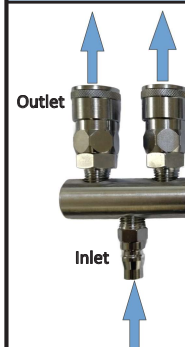
NL Nut coupling



Model SB / PB (Urethane hose)

Model	Hose size (mm)		L (mm)	H1 (Hex.)	H2 (Hex.)	Mass(g)
	Inside dia.	Outside dia.				
Socket						
NL-22SB	φ6.5	φ10	60	17	19	108
NL-23SB	φ8.5	φ12.5	62	19	19	111
Plug						
NL-22PB	φ6.5	φ10	43	17	17	41
NL-23PB	φ8.5	φ12.5	46	19	19	53

NL line connector



Specification Flow direction

Model	Inlet (Model)	Outlet (Model)	Dimensions(mm)		Mass (g)
			W x H x D	Steel	
NL-P-2	NL-22PM	NL-22SMx2	68.5x101.5x25	108	

*Specifications are subjects to change without notice.

YOSHIDA MFG.CO.,LTD.

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