

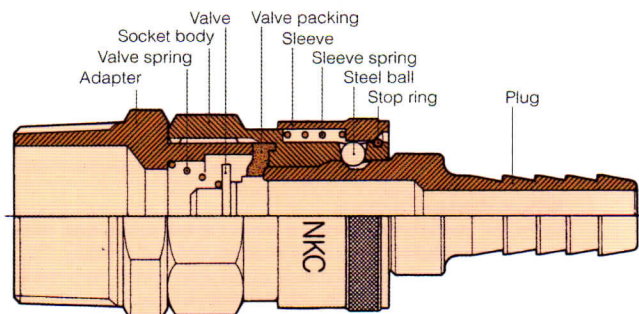


YOSHIDA

YOSHIDA MFG. CO., LTD.

NL Series

For low pressure, wide applications
Single valve type



Specification

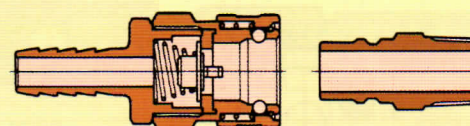
Model	NL-21	NL-22	NL-23	NL-24	NL-44	NL-46	NL-48
Nominal diameter	1/8"	1/4"	3/8"	1/2"	1/2"	3/4"	1"
Material of socket/plug body	Steel SC(Chrome plated) / Brass C3604(BsBM) / Stainless steel SUS304						
Connection method	Socket	Female thread(F) / Male thread(M) / Hose nipple(H) / Urethane hose (B)					
	Plug						
Working pressure MPa (Max.working pressure)	Steel	1.5 (2.0)					
	Brass	1.0 (1.5)					
	Stainless steel	1.5 (2.0)					
Valve packing material: Working temperature range	Standard	Nitrile rubber(NBR) : -20°C~ +80°C					
	Optional	Viton(FMP) : -20°C~ +180°C					
Applicable fluid	Steel	Air / Oil					
	Brass	Air / Water					
	Stainless steel	Air / Water					
Use	Pneumatic tool, pneumatic piping, pneumatic machinery, water piping, etc.						

Features

- 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.
- Both the socket and plug are available with male screw connection, female screw connection, or hose connection. Such connections can be combined as desired.
- The fitting sections of models NL-21 to NL-24 are identical in size and interchangeable. Those of models NL-44 to NL-48 are also interchangeable with one another.
- 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. For example, various pipe and hose connections are available for oil pressure and 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

When the plug is inserted while the sleeve remains on the socket side, the valve 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 valve packing completely prevents fluid leakage.

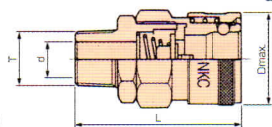
Notes

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

NL Series Socket (S)

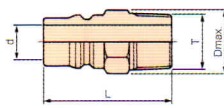
NL Series Plug (P)

Model SM (Male thread)



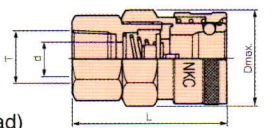
Model	Thread size T (R)	Dimensions(mm)			Mass(g)		
		L	Dmax.	d (φ)	Steel	Brass	Stainless steel
NL-22SM	1/4"	55.5	φ26	7	95	104	95
NL-23SM	3/8"	55.5	φ26	8	100	109	100
NL-24SM	1/2"	59.5	φ26	9	110	117	111
NL-44SM	1/2"	64	Hex. 32/37	13	220	240	218
NL-46SM	3/4"	65	Hex. 32/37	16	240	255	237
NL-48SM	1"	67	Hex. 35/40.4	16	250	270	245

Model PM (Male thread)



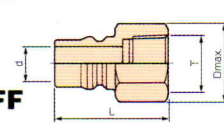
Model	Thread size T (R)	Dimensions(mm)			Mass(g)		
		L	Dmax. (Hex)	d (φ)	Steel	Brass	Stainless steel
NL-21PM	1/8"	38	14	5	23	25	24
NL-22PM	1/4"	40	14	7.5	25	27	26
NL-23PM	3/8"	40	17	7.5	40	45	41
NL-24PM	1/2"	46	21	7.5	65	70	66
NL-44PM	1/2"	47.5	21	12.5	70	76	70
NL-46PM	3/4"	51	27	12.5	115	123	117
NL-48PM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

Model SF (Female thread)



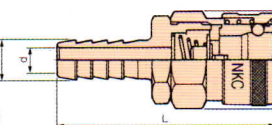
Model	Thread size T (Rc)	Dimensions(mm)			Mass(g)		
		L	Dmax.	d (φ)	Steel	Brass	Stainless steel
NL-22SF	1/4"	50.5	φ26	9	104	110	107
NL-23SF	3/8"	52.5	φ26	9	103	111	108
NL-24SF	1/2"	55.5	Hex. 29/33.5	9	122	131	123
NL-44SF	1/2"	59	Hex. 32/37	20	225	232	225
NL-46SF	3/4"	62	Hex. 35/40.4	20	235	250	230
NL-48SF	1"	65	Hex. 41/47.3	20	260	286	263

Model PF·PFF (Female thread)



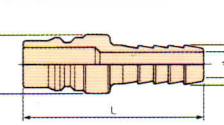
Model	Thread size T	Dimensions(mm)			Mass(g)		
		L	Dmax. (Hex)	d (φ)	Steel	Brass	Stainless steel
NL-22PFF	1/4"G	32	17	7.5	23	—	—
NL-22PF	1/4"Rc	36	17	7.5	30	32	30
NL-23PF	3/8"Rc	38	21	7.5	45	48	46
NL-24PF	1/2"Rc	41	29	7.5	65	70	65
NL-44PF	1/2"Rc	41.5	29	12.5	70	77	71
NL-46PF	3/4"Rc	45	35	12.5	106	117	108
NL-48PF	1"Rc	54	41	12.5	120	128	118

Model SH (Hose nipple)



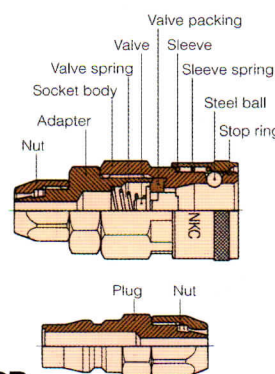
Model	Hose size T	Dimensions(mm)			Mass(g)		
		L	Dmax.	d (φ)	Steel	Brass	Stainless steel
NL-22SH	1/4"	72.5	φ26	5	95	104	98
NL-23SH	3/8"	76.5	φ26	7.5	100	108	99
NL-24SH	1/2"	78.5	φ26	9	110	117	112
NL-44SH	1/2"	83	Hex. 32/37	9	220	240	218
NL-46SH	3/4"	92	Hex. 32/37	13	240	262	235
NL-48SH	1"	102	Hex. 32/37	19	270	296	268

Model PH (Hose nipple)



Model	Hose size T	Dimensions(mm)			Mass(g)		
		L	Dmax. (φ)	d (φ)	Steel	Brass	Stainless steel
NL-22PH	1/4"	57	16	5	27	29	26
NL-23PH	3/8"	61	16	7.5	35	38	31
NL-24PH	1/2"	63	18	7.5	50	55	48
NL-44PH	1/2"	67.5	22	9	75	80	75
NL-46PH	3/4"	76.5	30	13	122	132	126
NL-48PH	1"	86.5	30	18.5	145	165	148

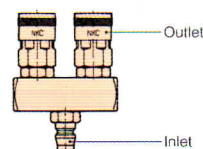
NL Nut coupling



Model SB·PB (Urethane hose)

Model			Hose size		
Socket(S)		Inner dia. (mm)	Outer dia. (mm)	Plug(P)	
NL-22SB	φ6.5	φ10		NL-22PB	φ6.5
NL-23SB	φ8.5	φ12.5		NL-23PB	φ8.5

NL Line connector

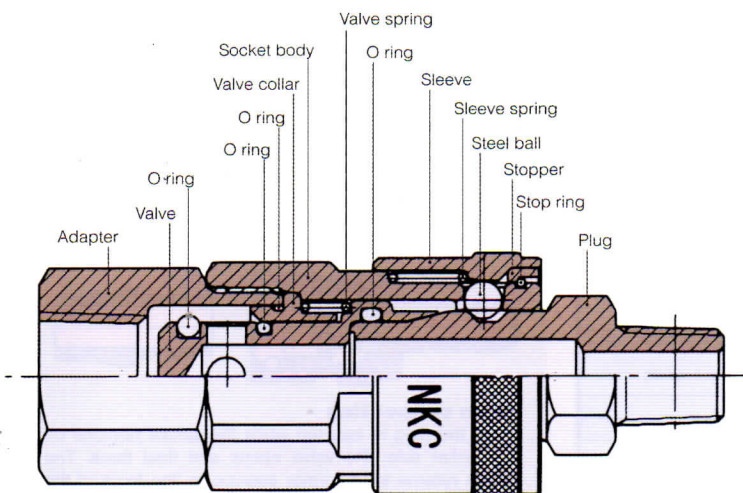


Specification

Model	Connector couplings		Dimensions(mm)		Mass(g)
	Inlet	Outlet	Connector body	Overall length	
NL-P-2	NL-22PM	NL-22SM×2	22×22×69	69	260

YNL Series

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

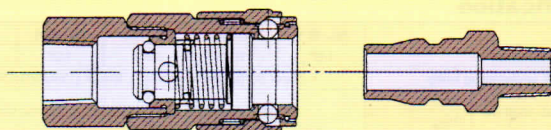


Features

- 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.

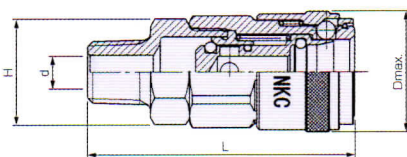
Specification

Model		YNL-22	YNL-23	YNL-24
Nominal diameter		1/4"	3/8"	1/2"
Material of socket / plug body		Steel SC(Chrome 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

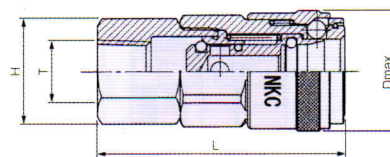
- Fluid must flow from the socket to the plug because of the single valve design.
- When connecting this coupling to vibration tools of machinery, install a 30cm long rubber hose between the tool and the coupling.

YNL Series Socket (S)



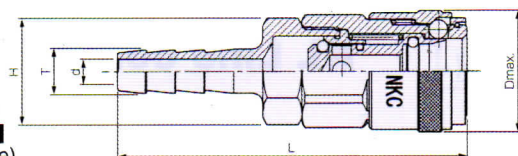
Model SM
(Male thread)

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



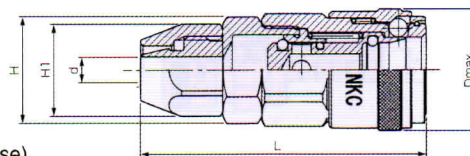
Model SF
(Female thread)

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



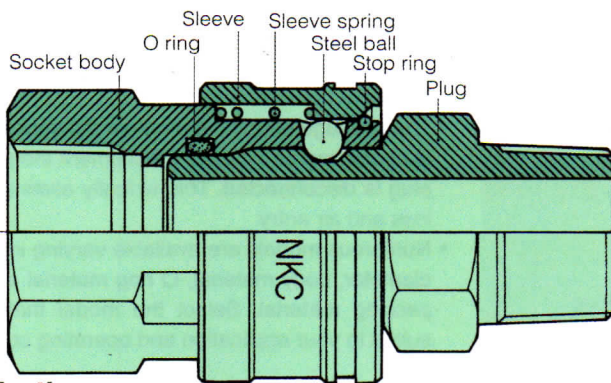
Model SB
(Urethane Hose)

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

TS Series

For middle & low pressure, wide applications

Valveless type

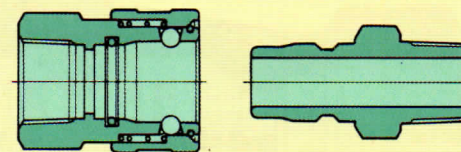


Features

- This valveless model has no valve mechanism in the socket and none in the plug. It is ideal if there is no need to shut the pipe when disconnecting the socket and plug.
- The internal construction features a low flow resistance to reduce pressure loss. This series is thus well-suited to high-viscosity fluids, steam and pulverulent bodies.
- Both the socket and plug are available with male screw connection, female screw connection and hose connection. Such connections can be combined as desired.
- Numerous models are available varying in nominal diameter, body material, O ring material and connection method. You can select precisely the best model for your application and operating conditions.

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 and the plug can be removed. Since both the socket and plug have no valve mechanism, the fluid flows outward.



When connecting

If the plug is inserted while the sleeve remains on the socket side, the sleeve is returned to its former position by the force of the sleeve spring. The steel ball locks in place to ensure connection. The O ring completely prevents fluid leakage.

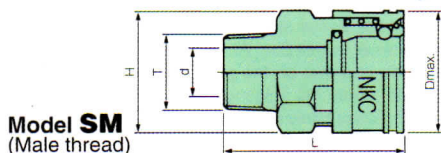
Notes

- Note that sockets can be connected to plugs only when their nominal diameters are the same.
- Sockets and plugs with large nominal diameters have a low resistance to pressure. Bear this in mind when using large sockets and plugs.
- Please specify the O ring material in accordance with the type of fluid to be piped.

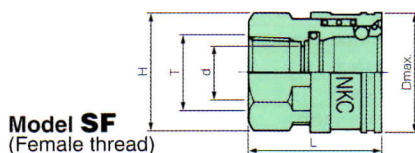
Specification

Model		TS-1	TS-2	TS-3	TS-4	TS-6	TS-8	TS-10	TS-12	TS-16
Nominal diameter		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Material of socket / plug body		Brass C3604(BsBM) / Stainless steel SUS304								
Connection method	Socket	Female thread(F) / Male thread(M) / Hose nipple(H)								
	Plug									
Working pressure MPa (Max.working pressure)	Brass	5.0 (7.5)			3.0 (4.5)		2.0 (3.0)		1.5 (2.3)	
	Stainless steel	7.5 (10.0)			4.5 (6.5)		3.0 (4.0)		2.0 (3.0)	
O ring material: Working temperature range	Standard	Viton(FMP) : -20°C~+180°C								
	Optional	Nitrile rubber(NBR) : -20°C~+80°C								
		Neoprene(CR) : -20°C~+80°C								
Applicable fluid	Brass	Gasoline, Heavy oil, Kerosene, Water, Steam								
	Stainless steel	Acidic fluids, Alkaline fluid, Brine								
Use		Hydraulic machine, Hydraulic piping, Water piping, Steam piping, Sea-water piping, Chemical plant, Chemicals, High pressure gas piping								

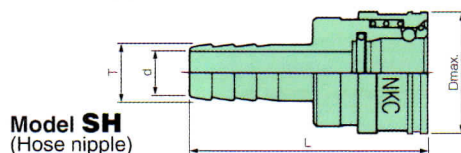
TS Series Socket (S)



Model SM
(Male thread)



Model SF
(Female thread)



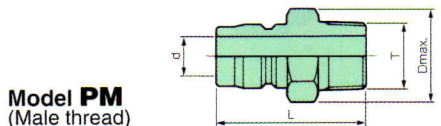
Model SH
(Hose nipple)

model	Thread size T (R)	L	Dmax. (φ)	d (φ)	H (Hex)	Brass	Stainless steel
TS-1SM	1/8"	30	18	5	14	28	27
TS-2SM	1/4"	42	24	7	19	70	65
TS-3SM	3/8"	45	28	10	23	100	93
TS-4SM	1/2"	54	35	13	29	180	166
TS-6SM	3/4"	64	45	17	35	360	335
TS-8SM	1"	74	58	24	46	680	628
TS-10SM	1-1/4"	86	69	32	Face width 54	1030	960
TS-12SM	1-1/2"	95	75	38	Face width 58	1250	1180
TS-16SM	2"	108	98	50	Face width 77	2130	2020

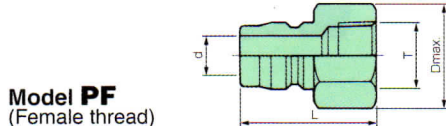
model	Thread size T (Rc)	L	Dmax. (φ)	d (φ)	H (Hex)	Brass	Stainless steel
TS-1SF	1/8"	25	18	5	14	25	24
TS-2SF	1/4"	32	24	7	19	55	50
TS-3SF	3/8"	35	28	12	23	90	83
TS-4SF	1/2"	42	35	13	29	160	148
TS-6SF	3/4"	50	45	19	35	320	300
TS-8SF	1"	59	58	26	46	525	490
TS-10SF	1-1/4"	64	69	36	Face width 54	900	825
TS-12SF	1-1/2"	71	75	42	Face width 58	1050	970
TS-16SF	2"	80	98	54	Face width 77	2850	1660

型 式	Hose size T	L	Dmax. (φ)	d (φ)	Brass	Stainless steel
TS-1SH	1/8"	42	18	3	28	26
TS-2SH	1/4"	57	24	5	67	63
TS-3SH	3/8"	62	28	7	105	97
TS-4SH	1/2"	71	35	10	175	162
TS-6SH	3/4"	84	45	15	337	315
TS-8SH	1"	99	58	19	640	600
TS-10SH	1-1/4"	119	69	26	1000	950
TS-12SH	1-1/2"	125	75	32	1245	1180
TS-16SH	2"	141	98	40	2400	2190

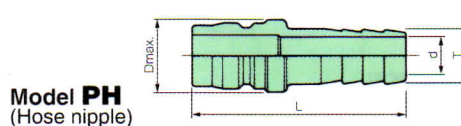
TS Series Plug (P)



Model PM
(Male thread)



Model PF
(Female thread)



Model PH
(Hose nipple)

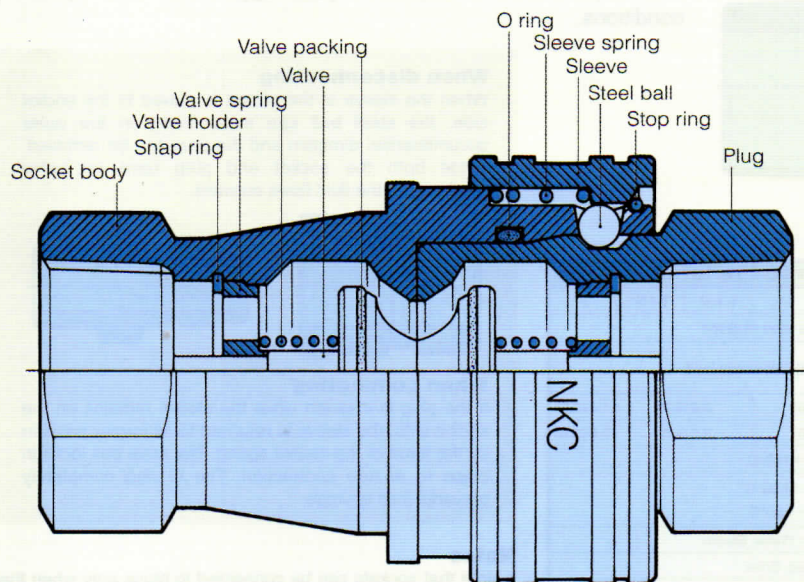
model	Thread size T (R)	L	Dmax. (Hex)	d (φ)	Brass	Stainless steel
TS-1PM	1/8"	32	11	5	25	24
TS-2PM	1/4"	38	17	7	32	30
TS-3PM	3/8"	43	19	10	45	42
TS-4PM	1/2"	52	23	13	84	78
TS-6PM	3/4"	59	29	17	150	138
TS-8PM	1"	74	38	24	320	300
TS-10PM	1-1/4"	83	48	32	530	505
TS-12PM	1-1/2"	93	54	38	710	675
TS-16PM	2"	102	Face width 75/φ80	48	1430	1320

model	Thread size T (Rc)	L	Dmax. (Hex)	d (φ)	Brass	Stainless steel
TS-1PF	1/8"	25	14	5	13	13
TS-2PF	1/4"	32	17	7	17	16
TS-3PF	3/8"	38	21	10	45	42
TS-4PF	1/2"	44	26	13	85	78
TS-6PF	3/4"	50	35	17	177	161
TS-8PF	1"	59	41	26	265	240
TS-10PF	1-1/4"	64	53	32	610	580
TS-12PF	1-1/2"	75	58	38	750	635
TS-16PF	2"	83	Face width 77/φ82	50	1350	1180

model	Hose size T	L	Dmax. (φ)	d (φ)	Brass	Stainless steel
TS-1PH	1/8"	42	12	3	12	12
TS-2PH	1/4"	53	14	5	25	33
TS-3PH	3/8"	60	18	7	40	37
TS-4PH	1/2"	69	22	10	75	69
TS-6PH	3/4"	80	28	15	132	124
TS-8PH	1"	96	40	19	340	315
TS-10PH	1-1/4"	120	48	26	560	520
TS-12PH	1-1/2"	132	55	32	700	650
TS-16PH	2"	142	70	40	1450	1350

KS Series

**For middle & low pressure,
Twin valve type**

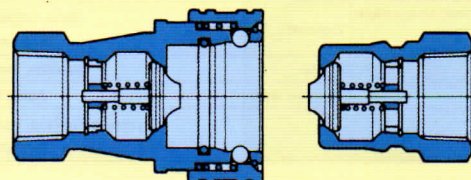


Features

- Both the socket and plug of this twin-valve coupling incorporate a shutoff valve. The moment the socket and plug are disconnected, the socket and plug sides of the coupling are completely sealed.
- Because the coupling has been made with great precision by fully utilizing the newest machining technology, a superior sealing performance is ensured even as the socket and plug are connected or disconnected.
- The passage opens the moment the socket or plug is connected and closes the moment the socket or plug is disconnected. This virtually eliminates fluid loss and air entry.
- Numerous models are available varying in nominal diameter, body material, O ring material and valve packing material. Select the model that is best suited to your application and operating conditions.

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 disconnected from the socket by the reaction forces of the socket and plug valve springs. The moment the plug is disconnected, the valves on both the socket and plug sides contact the mating seat sections to stop the fluid from flowing.



When connecting

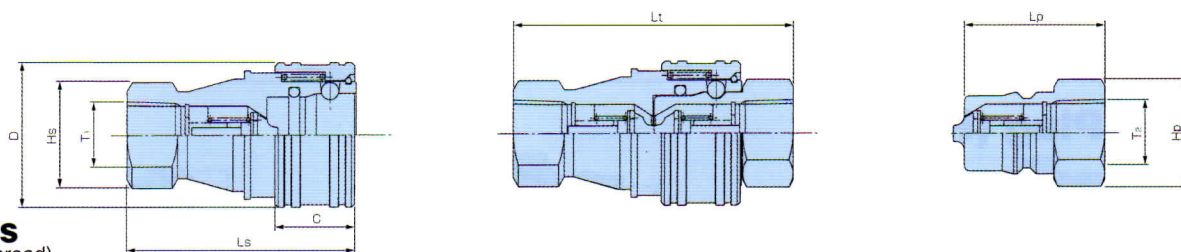
If the plug is inserted while the sleeve remains on the socket side, the sleeve is returned to its former position by the force of the sleeve spring and the steel ball locks in place to ensure connection. At this time, the valve on the socket side and that on the plug side push against each other to open the passage and allow fluid to flow. The O ring completely prevents fluid leakage.

Notes

- The chemical resistance varies depending on the O ring and valve packing material. Select the material that is best for the fluid to be piped.
- Note that sockets can be connected to plugs only when their nominal diameters are the same.
- If the connection side is equipped with a hose nipple or a female screw, use a commercially available joint.

Specification

Model	KS-1	KS-2	KS-3	KS-4	KS-6	KS-8	KS-10	KS-12	KS-16
Nominal diameter	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Material of socket / plug body	Brass C3604(BsBM) / Stainless steel SUS304								
Connection method (type)	Only female thread(both socket and plug)								
Working pressure MPa (Max.working pressure)	Brass	5.0 (7.5)			3.0 (4.5)		2.0 (3.0)		1.5 (2.3)
	Stainless steel	7.5 (10.0)			4.5 (6.5)		3.0 (4.5)		2.0 (3.0)
O ring, Valve packing material : Working temperature range	Standard	Viton(FMP) : -20°C~+180°C							
	Optional	Nitrile rubber(NBR) : -20°C~+80°C							
		Neoprene(CR) : -20°C~+80°C							
Applicable fluid	Brass	Gasoline, Heavy oil, Kerosene, Water, Air							
	Stainless steel	Acidic fluids, Alkaline fluids, Brine							
Use	Water piping, Sea-water piping, Oxygen piping, Acetylene piping, Air piping, Chemicals, Chemical plant, High pressure gas piping								



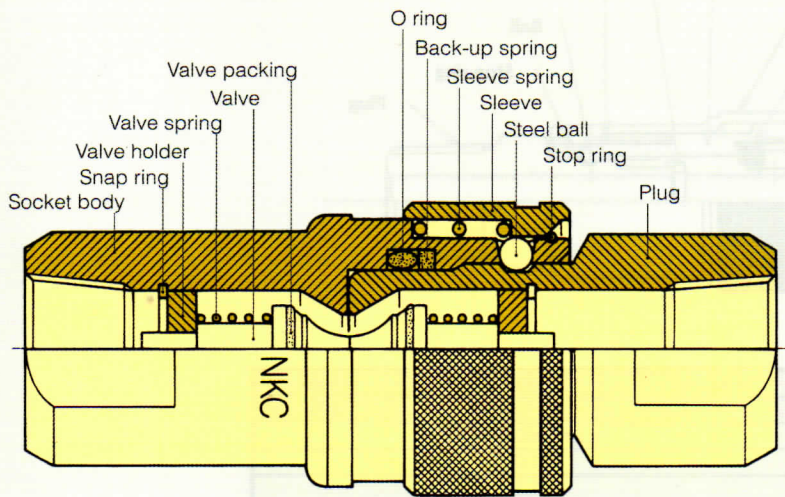
Model KS
(Female thread)

Model	Thread size T ₁ (Rc)	Socket(S)						Model	Thread size T ₂ (Rc)	Plug(P)				Assembling length L _t (mm)	Min. sectional area of passage(cm ²)
		Dimensions(mm)				Mass(g)				寸法(mm)		Mass(g)			
		Ls	Hs (φ/Face width)	D (φ)	C	Brass	Stainless steel			Lp	Hp (Hex)	Brass	Stainless steel		
KS-1S	1/8"	48	18 / 14	24	16.5	90	73	KS-1P	1/8"	29	14	20	18	60	0.15
KS-2S	1/4"	58	22 / 17	28	17.5	150	130	KS-2P	1/4"	36	17	38	33	71	0.2
KS-3S	3/8"	65	25 / 21	35	20	220	195	KS-3P	3/8"	40	21	65	55	80	0.5
KS-4S	1/2"	72	35 / 29	45	25	470	435	KS-4P	1/2"	44	29	135	125	89	1
KS-6S	3/4"	88	41 / 35	55	32	775	710	KS-6P	3/4"	52	35	230	210	105	1.9
KS-8S	1"	102	48 / 41	65	32.5	1090	1000	KS-8P	1"	62	41	380	315	125	2.9
KS-10S	1-1/4"	115	59 / 54	77.5	34	1730	1600	KS-10P	1-1/4"	70	54	650	600	141	4.5
KS-12S	1-1/2"	124	69 / 63	87.5	39	2550	2340	KS-12P	1-1/2"	75	65	965	890	151	7.7
KS-16S	2"	132	86 / 77	109	39	3950	3660	KS-16P	2"	80	77(F/W)	1630	1510	160	12.3



Series

**For high pressure,
Twin valve type**

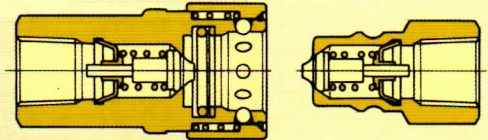


Features

- Both the socket and plug of this twin valve coupling incorporate a shutoff valve. The moment the socket and plug are disconnected, the valves on the socket and plug sides contact the mating seat sections to completely seal the socket and plug sides.
- The body is made of S45C steel and hardened to ensure high durability and a high resistance to abrasion.
- This series has been designed for use under high pressure and is highly resistant to vibration and impact. It is ideal for pressurized gas pipes and machinery that uses high oil pressure.
- Due to low pressure loss, this series is ideally suited for highly pressurized oil and gas pipes.

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 disconnected from the socket by the reaction forces of the socket and plug valve springs. The moment the plug is disconnected, the valves on the socket and plug sides contact the mating seat sections to stop the fluid from flowing.



When connecting

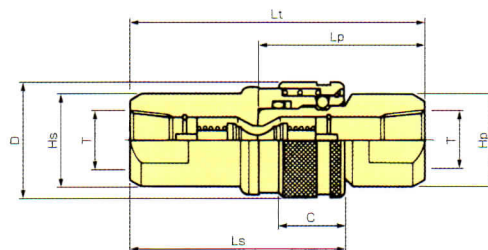
When the plug is inserted while the sleeve remains on the socket side, the sleeve is returned to its former position by the force of the sleeve spring. The steel ball locks in place to ensure connection. At this time, the valve on the socket side and that on the plug side push against each other to open the passage and to allow fluid to flow. The O ring and back-up ring completely prevent fluid leakage.

Specification

Model	HP-2	HP-3	HP-4	HP-6	HP-8
Nominal diameter	1/4"	3/8"	1/2"	3/4"	1"
Material of socket / plug body	Steel/S45C(Zinc plated)				
Connection method (type)	Only female thread(both socket and plug)				
Working pressure MPa (Max.working pressure)	21.0 (31.5)				
O ring, Valve packing material : Working temperature range	Viton(FMP) : -20°C~+180°C				
Applicable fluid	Hydraulic oil, High pressure gas				
Use	Hydraulic machine, High pressure gas piping				

Notes

- Note that sockets can be connected to plugs only when their nominal diameters are the same.
- A female thread is used for connection. Do not over-tighten the mating male thread.
- Foreign matter, if allowed to adhere or enter, may cause leakage. Do not allow any pieces of the seal tape to enter the coupling.



Model HP (Female thread)

Model	Thread size T (Rc)	Socket(S)					Model	Plug(P)			Assemblg length Lt.(mm)
		Dimensions(mm)				Mass(g)		Dimensions(mm)		Mass(g)	
		Ls	Hs(φ/Face width)	D(φ)	C			Lp	Hp(Face width)		
HP-2S	1/4"	49	24/19	28	15.5	135	HP-2P	33	19	45	68
HP-3S	3/8"	60	28.5/23	33.5	17	220	HP-3P	38	23	70	80
HP-4S	1/2"	72	38.5/35	43	23	480	HP-4P	45	29	140	93
HP-6S	3/4"	72	38.5/35	43	23	450	HP-6P	48	35	145	100
HP-8S	1"	93	52/46	58	26	1050	HP-8P	61	41	330	120

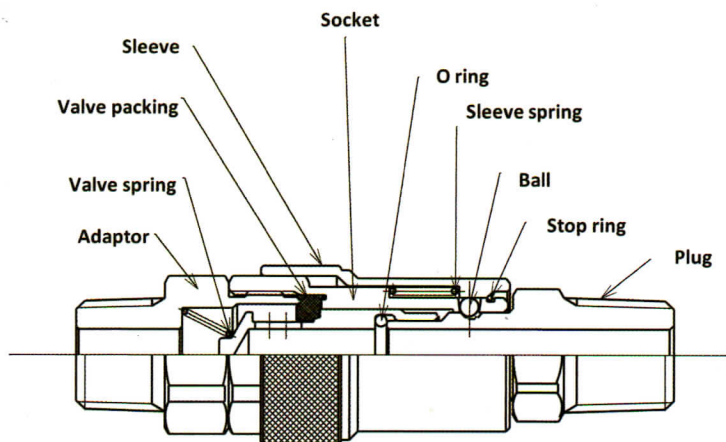


Series

for low pressure
for quick replacement for
Die and Mold

Features

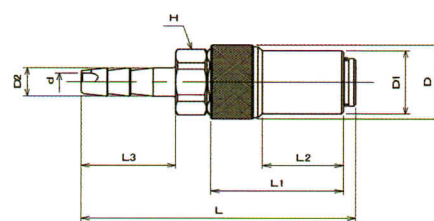
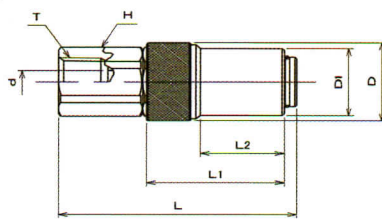
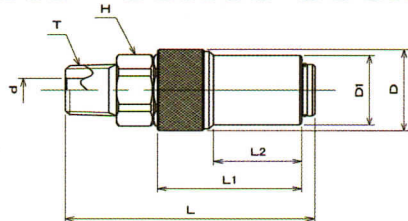
- Space saving design for molds with closely spaced
- Long Sleeve socket facilitates connection/disconnection with plug embedded in mold.
- Various size and end configuration to suit a wide variety of mold application.



● Specification

Model	KC-01	KC-02	KC-03
Thread size	1/8	1/4	3/8
Material of socket/ plug body	Brass(C3604)		
Working pressure(MPa)	1.0		
Pressure resistance(MPa)	1.5		
Seal material	Viton(FMP)		
Working temperature range	-20°C ~ +180°C		
Applicable fluid	Water		

KC Series Socket



● Socket (model SM) (Male thread)

Model	Thread	Size	Dimensions(mm)							Mass (g)
			φD	φD1	φd	L	L1	L2	H HEX	T
KC-02SM	Rc1/4	21	18	6	51	29.5	18	17	R1/4	65
KC-03SM	Rc3/8	21	18	6	53	29.5	18	17	R3/8	75

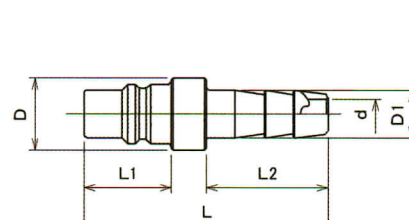
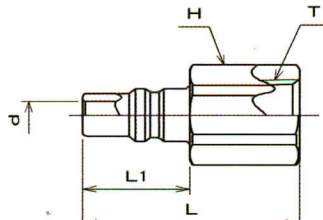
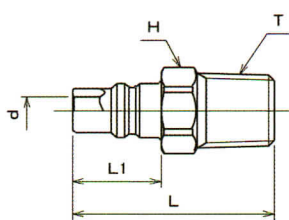
● Socket (model SF) (Female thread)

Model	Thread	Size	φD	φD1	φd	L	L1	L2	H HEX	T	Mass (g)
KC-02SF	R1/4	21	18	6	51	29.5	18	17	Rc1/4	70	

● Socket (model SH) (Hose Nipple)

Model	Hose	Size	φD	φD1	φD2	φd	L	L1	L2	L3	H HEX	T	Mass (g)
KC-02SH	1/4"	21	18	8	5	61	30	18	21	17			60
KC-03SH	3/8"	21	18	12	7	61	30	18	21	17			65

KC Series Plug



● Plug (model PM) (Male thread)

Model	Thread	Size	φd	L	L1	H HEX	T	Mass (g)
KC-01PM	Rc1/8	5.5	31	15	12	R1/8	14	
KC-02PM	Rc1/4	6	34	15	14	R1/4	20	
KC-03PM	Rc3/8	6	35	15	17	R3/8	35	

● Plug (model PF) (Female thread)

Model	Thread	Size	φd	L	L1	H HEX	T	Mass (g)
KC-01PF	R1/8	6	28	15	14	Rc1/8	16	
KC-02PF	R1/4	6	31	15	17	Rc1/4	20	
KC-03PF	R3/8	6	32	15	21	Rc3/8	35	

● Plug (model PH) (Hose Nipple)

Model	Hose	Size	φd	φD	φD1	L	L1	L2	Mass (g)
KC-02PH	1/4"	5	12	8	42	15	21	15	
KC-03PH	3/8"	6	15	12	42	15	21	19	

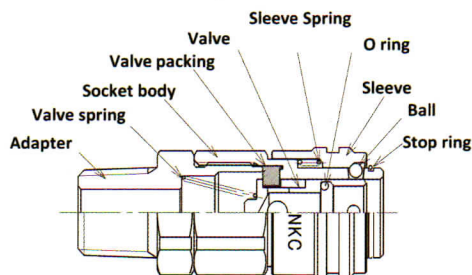
AC

Series

for low pressure
simple and secure
push-to-connect type
Single valve type

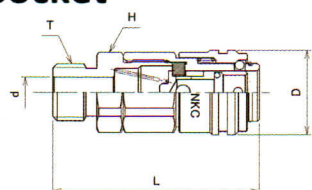
Features

- Space saving design for hand air tools.
- Just push the plug into the socket for simple and secure connection
- Various size and end configuration to suit a wide application.
- Available only with steel body. Not suitable for water



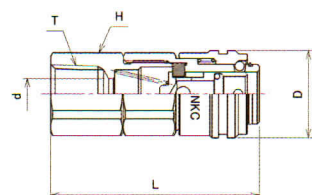
Model	AC-01	AC-02
Thread size	1/8	1/4
Material of socket/ plug body	Steel (SUM24L)	
Working pressure(MPa)	1.0	
Pressure resistance(MPa)	1.5	
Seal material	Nitrile Rubber (NBR)	
Working temperature range	-20°C~80°C	
Applicable fluid	Air	

AC Series Socket



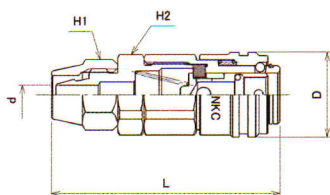
Model SM
(Male thread)

Model	Thread Size	Dimension (mm)					Mass (g)
		φD	φd	L	H HEX	T	
AC-02SM	Rc1/4	19.5	7	50	17	R1/4	57
AC-02SMF	G1/4	19.5	7	47	17	G1/4	57



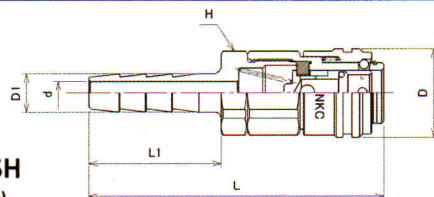
Model SF
(Female thread)

Model	Thread Size	Dimension (mm)					Mass (g)
		φD	φd	L	H HEX	T	
AC-02SF	R1/4	19.5	7	47.5	17	Rc1/4	56



Model SN
(Urethane Hose)

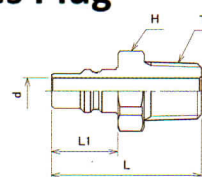
Model	Hose Size	Dimension (mm)					Mass (g)
		φD	φd	L	H1 Hex	H2 Hex	
AC-01SN	5x8	19.5	7	47.5	12	17	30
AC-02SN	6.5X10	19.5	7	47.5	17	17	50



Model SH
(Hose Nipple)

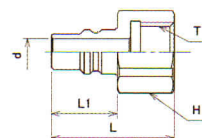
Model	Hose Size	Dimensions (mm)						Mass (g)
		φD	φD1	φd	L	L1	H HEX	
AC-02SH	1/4"	19.5	8.5	5	67	30	17	56

AC Series Plug



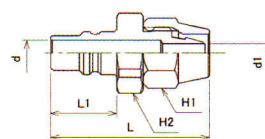
Model PM
(Male thread)

Model	Thread Size	Dimension (mm)					Mass (g)
		φd	L	L1	H HEX	T	
AC-01PM	Rc1/8	6	31	15	12	R1/8	12
AC-02PM	Rc1/4	6	34	15	17	R1/4	22.5



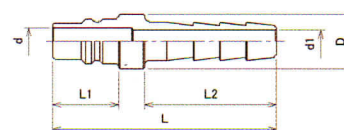
Model PF
(Female thread)

Model	Thread Size	Dimension (mm)					Mass (g)
		φd	L	L1	H HEX	T	
AC-02PFF	G1/4	6	28	15	17	G1/4	17.5



Model PN
(Urethane Hose)

Model	Hose Size	Dimension (mm)					Mass (g)
		φd	L	L1	H1 HEX	H2 HEX	
AC-01PN	5x8	6	36	15	12	17	25
AC-02PN	6.5X10	6	38	15	17	17	27.5



Model PH
(Hose Nipple)

Model	Hose Size	Dimensions (mm)						Mass (g)
		φd	φd1	φD	L	L1	L2	
AC-02PH	1/4"	6	5	12	51	15	30	16