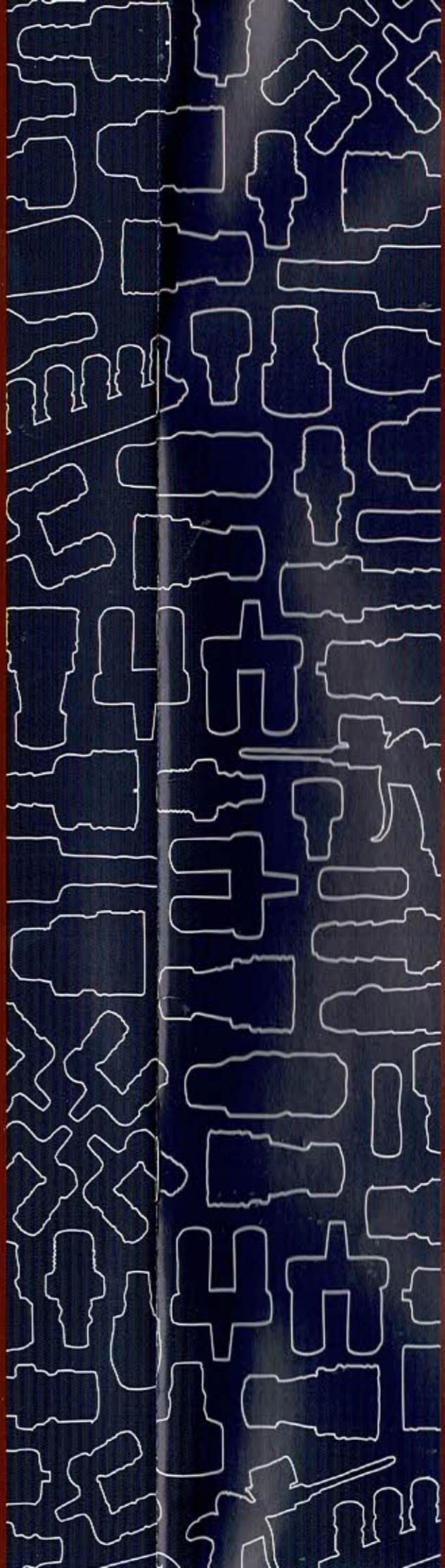




YAMATO JAPAN QUICK COUPLINGS



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BLY type General purpose
<Socket>

【P.5~P.6】



Model	BLY-SH	BLY-SM	BLY-SF	BLY-SN
CS	○	○	○	○
BRS	○	○	○	
SS	○	○	○	

BLY type General purpose
<Plug>

【P.5~P.6】



Model	BLY-PH	BLY-PM	BLY-PF	BLY-PN
CS	○	○	○	○
BRS	○	○	○	
SS	○	○	○	

BLK type One push type
<Socket>

【P.7~P.8】



Model	BLK-SH	BLK-SM	BLK-SF	BLK-SN
CS	○	○	○	○
BRS				
SS				

BLK-SA type With Sleeve guard
<Socket>

【P.9~P.10】

original



Model	BLK-SA-SH	BLK-SA-SM	BLK-SA-SF	BLK-SA-SN
CS	○	○	○	○
BRS				
SS				

BLK type Sleeve Lock Mechanism
<Socket>

【P.11】



Model	BLK-R-SH	BLK-R-SM	BLK-R-SF	BLK-R-SN
CS	○	○	○	○
BRS				
SS				

Special product with flow regulator
<Socket>

【P.12】

<Plug>



Model	BLY-SNT	BLY-SMT	BLY-PMFT	BLY-PFFT
CS	○	○	○	○
BRS				
SS				

Special Product Rotary type
<Socket>

【P.12】



Model	BLK-SNR	BLK-R-SNR
CS	○	○
BRS		
SS		

Special product Mold coupling
<Socket>

【P.12】

<Plug>



Model	YK02-SM	YK03-SH	YK01-PM	YK02-PM
CS	○	○	○	○
BRS				
SS				

Body material abbreviation (O indicates applicable material)

CS: Carbon Steel BRS: Brass SS: Stainless Steel

original amato original products.

BLB type With button
<Socket>

【P.13~P.14】

original



Combination of Steel and Resin POM

BLA type Small and light weight
<Socket>

【P.15~P.16】



Combination of Steel and Aluminum

STY type General Purpose (Two-way open)
<Socket>

【P.17~P.18】



SPY type Medium Pressure General
Purpose (Two-way open)
<Socket>

【P.19~P.20】



Model	STY-SH	STY-SM	STY-SF
CS			
BRS	○	○	○
SS	○	○	○

Nut coupling for braided hose

original



Model	BLY type	STY type	Adapter
CS			
BRS	○	○	○
SS			

Swivel Connector Plug

【P.22】



BLY20-PMSW

BLY20-PMFSWR

Plug / Thread ... Steel, Brass
Swivel part ... Aluminum

Body material abbreviation (O indicates applicable material)

CS: Carbon Steel BRS: Brass SS: Stainless Steel

original amato original products.

LR type Rotary type 2-branch set

【P.23】



LR-2

Socket, Plug ... Carbon Steel

Branch part ... Brass (Chrome plating)

TW type 2-branch set

【P.24】



TW-2

TW-2K

Socket, Plug ... Carbon Steel

Branch part ...

MR type Rotary type Free connection

original

【P.25~P.26】

<Master Body>



<Sub parts Female thread type>



<Sub parts Male thread type>



Air header coupling

【P.27~P.28】

original



3 to 5 branch piping possible

Socket, Plug ... Carbon Steel

Branch part ... Carbon Steel (rivalent plating)

original amato original products.

YD12 type Air Duster Gun

【P.30】

original



YD100LED Air Duster Gun with LED

【P.31】

original



YD-100LED



YD-110LED

YD10 type Air Duster Gun

【P.32】

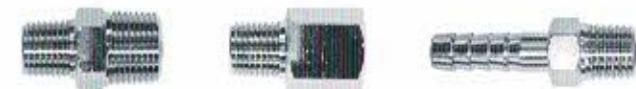


YD-10HC

YD-10HC-1

Air Parts

【P.36~P.38】



arious types are handled.

BDK type <Socket>

【P.39】

original



BDK-SH

BDK-SM

BDK-SF

BDK-SN

Proposals for various package processing

【P.40】



Refer following pages for our other products.

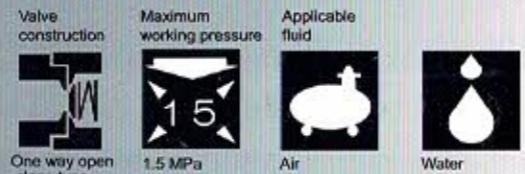
Duster Nozzle ... 【P.32】

Air Hose ... 【P.33~P.35】

Air Chuck ... 【P.38】

BLY Type

Universal purpose couplings for low pressure air piping



From factory air piping to pneumatic tool connection, available in various body materials, sizes and end configurations. Excellent durability.

- An excellent general purpose coupling for connecting air supply to pneumatic tools
- Steel coupling is suitable for air. Brass or stainless steel is suitable for water.
- Critical structural parts are heat-treated for increased strength giving greater durability and resistance to wear.
- Available in various body materials, sizes and end configurations applicable to a wide range of applications.



Specifications

Standard	20 type			40 type			
Product name	BLY-21	BLY-22	BLY-23	BLY-24	BLY-44	BLY-46	
Nominal diameter	1/8"	1/4"	3/8"	1/2"	1/2"	3/4"	
Body material	Steel (Chromium plated), Brass						
Connection profile	Socket	Shank	S H Male threads	S M Female threads	S F Nut type	S N	
	Plug	Shank	P H Male threads	P M Female threads	P F Nut type	P N	
Max. Operating pressure (Pressure resistance)	Carbon Steel	15 [20]	(1.5 [2.0])				
Kg/cm ² (MPa)	Brass	10 [15]	(1.0 [1.5])				
Stainless	15 [20]	(1.5 [2.0])					
Seal material	Standard	Nitrile rubber (NBR) : -20 deg.C ~ +80deg.C.					
Ambient temperature range	Option	Viton : -20 deg.C ~ +180deg.C.					
Applicable fluid	Carbon Steel	Air, Oil, Others					
	Brass	Air, Water, Others					
	Stainless	Air, Water, Others					
Applications	Pneumatic tools, various pneumatic piping, water piping, pneumatic equipments etc.						



Connection and disconnection

(When connecting)

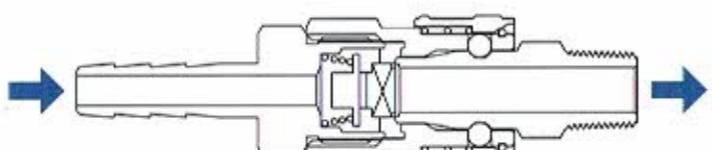
The valve of the socket will open automatically, flow path will open and fluid will flow, if you pull back the outer cylinder sleeve on the socket side and insert the plug.

(When disconnecting)

Valve on the socket side is automatically closed, and the flow path will no allow flow outside when the outer cylinder sleeve on the socket side is pulled back, it gets detached. However, please note that the fluid on the plug side will flow out.

Flow direction

Fluid flows from socket side to plug side.



Product model, dimension chart

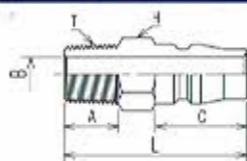
Plug

PH type (For hose connection)



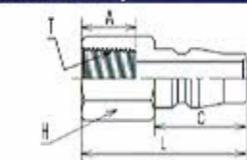
Model	Mounting side profile	Dimensions mm					
		L	A	C	H	T	B
BLY21-PH	1/8" For hose	58	30	20	φ15	φ7.5	φ4
BLY22-PH	1/4" For hose	58	30	20	φ15	φ9	φ5
BLY23-PH	3/8" For hose	58	30	20	φ15	φ11	φ7.5
BLY24-PH	1/2" For hose	63	35	20	φ17	φ15	φ9
BLY44-PH	1/2" For hose	69	35	23	φ22	φ15	φ9
BLY46-PH	3/4" For hose	74	40	23	φ25	φ21	φ12.5
BLY48-PH	1" For hose	79	45	23	φ30	φ27.5	φ19

PM type (Male threads)



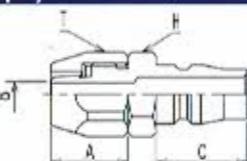
Model	Mounting side profile	Dimensions mm					
		L	A	C	H	T	B
BLY21-PM	Rc1/8" Female threads	37	10	20	△14	R1/8"	φ5
BLY22-PM	Rc1/4" Female threads	41	13	20	△14	R1/4"	φ7.5
BLY22-PNF	G1/4" Straight Female threads	41	8	20	△14	G1/4"	φ7.5
BLY23-PM	Rc3/8" Female threads	41	13	20	△19	R3/8"	φ7.5
BLY24-PM	Rc1/2" Female threads	45	16	20	△23	R1/2"	φ12
BLY44-PM	Rc1/2" Female threads	49	16	23	△23	R1/2"	φ12.5
BLY46-PM	Rc3/4" Female threads	52	18	23	△29	R3/4"	φ16
BLY48-PM	Rc1" Female threads	54	20	23	△35	R1"	φ25

PF type (Female threads)



Model	Mounting side profile	Dimensions mm				
		L	A	C	H	T
BLY21-PF	R1/8" Male threads	32	10	20	△14	R1/8"
BLY22-PF	R1/4" Male threads	36	13	20	△17	R1/4"
BLY22-PFF	G1/4" Straight male threads	32	9	20	△17	G1/4"
BLY23-PF	R3/8" Male threads	37	14	20	△21	R3/8"
BLY24-PF	R1/2" Male threads	40	16	20	△26	R1/2"
BLY44-PF	R1/2" Male threads	42	16	23	△26	R1/2"
BLY46-PF	R3/4" Male threads	44	18	23	△32	R3/4"
BLY48-PF	R1" Male threads	48	20	23	△41	R1"

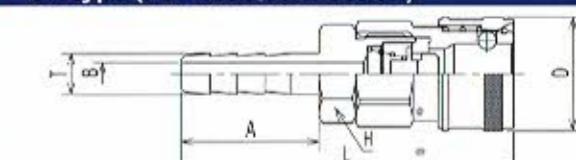
PN type (Nut type)



Model	Mounting side profile	Dimensions mm					
		L	A	C	H	T	
BLY21-PN	φ5×φ8 Urethane hose	43	17	20	△17	△17	φ4.5
BLY22-PN	φ6×φ9 Urethane hose	43	17	20	△17	△17	φ5
BLY22-PN	φ65×φ10 Urethane hose	43	17	20	△17	△17	φ5
BLY23-PN	φ8×φ12 Urethane hose	45	19	20	△19	△19	φ7.5
BLY23-PN	φ85×φ25 Urethane hose	45	19	20	△19	△19	φ7.5
BLY24-PN	φ11×φ16 Urethane hose	52	24	20	△23	△24	φ7.5

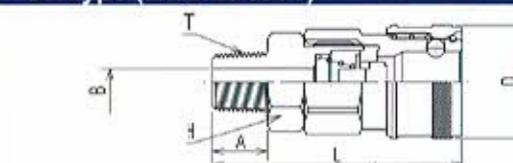
Socket

SH type (For hose connection)



Model	Mounting side profile	Dimensions mm					
		L	A	D	H	T	B
BLY21-SH	1/8" For hose	67.5	25	φ25	△19	φ7.5	φ4
BLY22-SH	1/4" For hose	72.5	30	φ25	△19	φ9	φ5
BLY23-SH	3/8" For hose	72.5	30	φ25	△19	φ11	φ7.5
BLY24-SH	1/2" For hose	77.5	35	φ25	△19	φ15	φ9
BLY44-SH	1/2" For hose	83	35	φ35	△29	φ15	φ9
BLY46-SH	3/4" For hose	88	40	φ35	△29	φ21	φ12.5
BLY48-SH	1" For hose	93	45	φ35	△29	φ27.5	φ19

SM type (Male threads)



Model	Mounting side profile	Dimensions mm				

BLK Type

One Push connection type for pneumatic piping



Simple and secure push to connect type. Gives excellent handling touch.

- Just push the plug into the socket for simple and secure connection.
- Easy connect with one hand even in the narrow space due to its one push mechanism.
- Available in various end configurations applicable to a wide range of applications.
- Interchangeable with BLY type.
- Wide variety of end configurations is standardized for wide range of applications.



Specifications

Product name	BLK-22	BLK-23	BLK-24
Nominal diameter	1/4"	3/8"	1/2"
Body material	Steel (Chromium plated), Brass		
Max. Operating kgf/cm ² (MPa)	1.0 (1.0)		
Design Pressure kgf/cm ² (MPa)	1.5 (1.5)		
Seal material Operating temperature range	Nitrile rubber (NBR) : -20 °C ~ +80 °C		



Connect and disconnect

(When connecting)

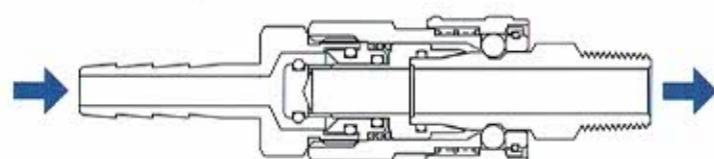
Simply push the plug into the socket, then the lock of the plug and valve of the socket will open automatically at the same time opening the flow path and allowing fluid to flow.

(When disconnecting)

Coupling gets disconnected when the outer cylinder sleeve on the socket side is pulled back, the valve on the socket side is automatically closed, and the flow path will not allow flow out. However, please note that the fluid on the plug side will flow out.

Fluid direction

Use in such a way that fluid flows from socket side to plug side.



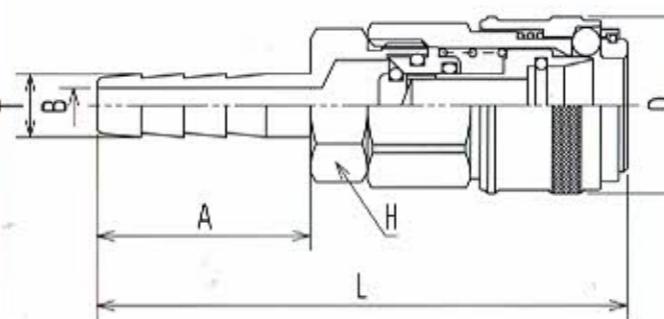
Note Due to the structure of the one-push socket, the sleeve may slide back due to external impact or vibration, and the socket and plug may get disconnected. Avoid the application in places where it is subjected to shocks or vibrations.

In that case, we recommend model having sleeve guard specifications or lock function, having an external impact prevention function.

Product type, Dimension chart

One push type socket

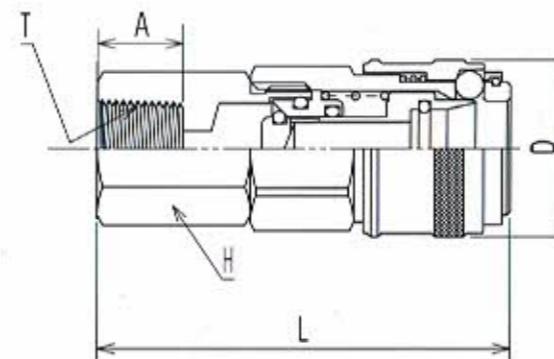
SH type (For hose connection)



Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22-SH	1/4" Hose	74.5	30	φ25	△19	φ9
BLK23-SH	3/8" Hose	74.5	30	φ25	△19	φ11
BLK24-SH	1/2" Hose	79.5	35	φ25	△19	φ15

Refer pages 9 to 11 for couplings that are resistant to external impact.

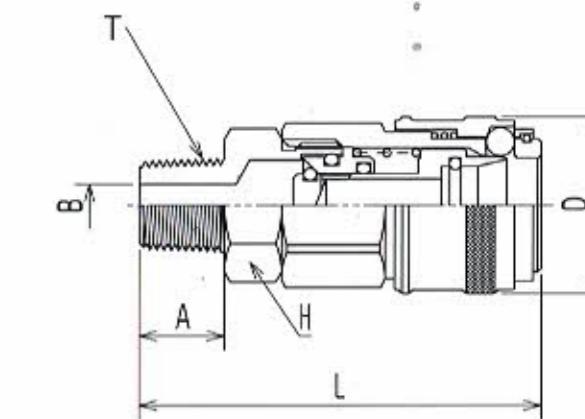
SF type (Female threads)



Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22-SF	R1/4" Male threads	57	13	φ25	△19	Rc1/4" Female threads
BLK23-SF	R3/8" Male threads	57	14	φ25	△21	Rc3/8" Female threads
BLK24-SF	R1/2" Male threads	61	16	φ25	△26	Rc1/2" Female threads

Refer pages 9 to 11 for couplings that are resistant to external impact.

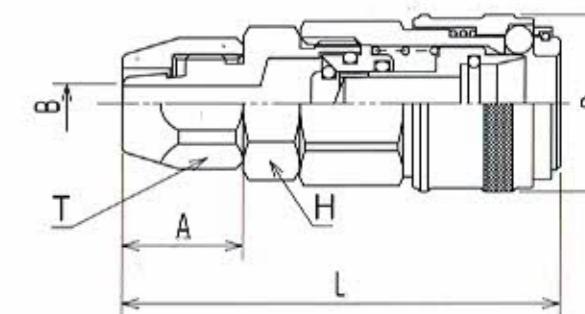
SM type (Male threads)



Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22-SM	Rc1/4" Female threads	56.5	12	φ25	△19	R1/4" Male threads
BLK23-SM	Rc3/8" Female threads	57.5	13	φ25	△19	R3/8" Male threads
BLK24-SM	Rc1/2" Female threads	60.5	16	φ25	△23	R1/2" Male threads

Refer pages 9 to 11 for couplings that are resistant to external impact.

SN type (Nut type)



Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22-SN	ø65×φ10 Urethane hose	61.5	17	φ25	△19	△17
BLK23-SN	ø85×φ125 Urethane hose	63.5	19	φ25	△19	△19

Refer pages 9 to 11 for couplings that are resistant to external impact.

original

Valve construction	Maximum working pressure	Applicable fluid
One way open-close type	1.0 MPa	Air

BLK-SA Type

One push connection type for pneumatic piping

One push type coupling with sleeve guard for safety.

- Sleeve guard prevents accidental disconnection by external impacts
- Simple one push plug and socket to each other for connection. Easy connecting / disconnecting improves job efficiency.
- More robust to external impacts than BLK type and more economical than BLK - R type.
- Interchangeable with BLY type.

**Specifications**

Product name	BLK-22SA	BLK-23SA	BLK-24SA
Nominal diameter	1/4"	3/8"	1/2"
Body material	Steel (Chrome plating), Brass		
Max. Operating pressure Kgf/cm ² (MPa)	1.0 (1.0)		
(Design Pressure) Kgf/cm ² (MPa)		1.5 (1.5)	
Seal material operating temperature range	Nitrile rubber (NBR) : -20 °C ~ +80 °C		
Coupling	One push type		

Connection and disconnection**(When connecting)**

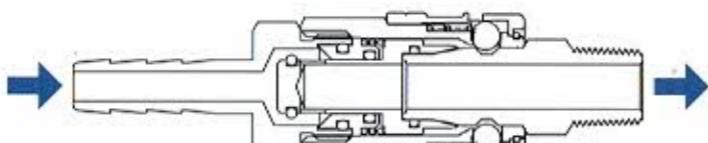
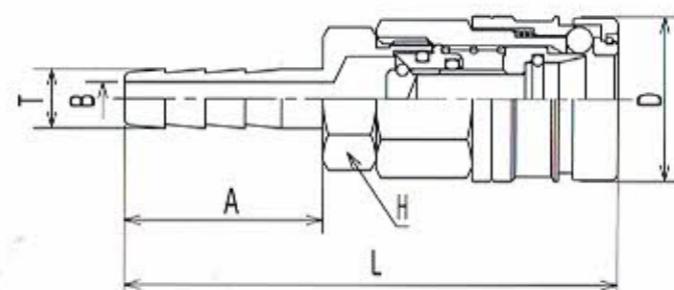
Simply push the plug into the socket, then the lock of the plug and valve of the socket will open automatically at the same time opening the flow path and allowing fluid to flow. Since it is a sleeve guard specification, it prevents the sleeve from coming off the plug even if some external impact is applied during use.

(When disconnecting)

The unit gets disconnected when the inner sleeve of sleeve guard on the socket side is pulled back, the valve on the socket side is automatically closed, and the flow path does not flow out. However, please note that the fluid on the plug side will flow out.

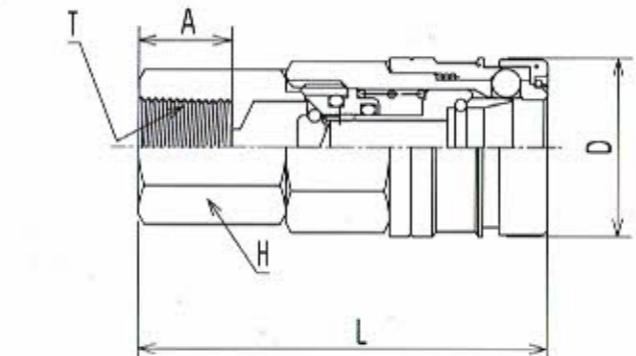
Fluid direction

Use in such a way that fluid flows from socket side to plug side.

**Product type, Dimension chart****One push type socket****SH type (For hose connection)**

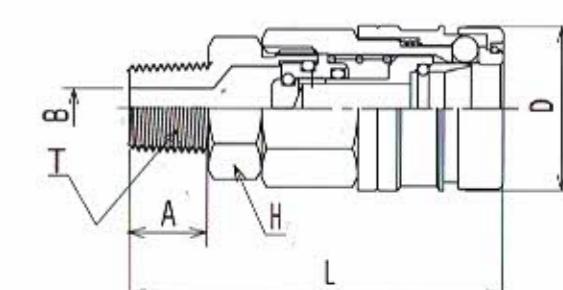
Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22SA-SH	1/4" Hose	74.5	30	φ25	△19	φ9
BLK23SA-SH	3/8" Hose	74.5	30	φ25	△19	φ11
BLK24SA-SH	1/2" Hose	79.5	35	φ25	△19	φ15

The BLK-R type where sleeve is locked by rotating, is on page 11.

SF type (Female threads)

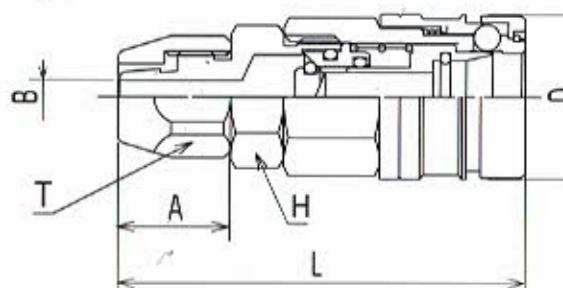
Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22SA-SF	R1/4" Female threads	57	13	φ25	△19	R1/4" Female threads
BLK23SA-SF	R3/8" Female threads	57	14	φ25	△21	R3/8" Female threads
BLK24SA-SF	R1/2" Female threads	61	16	φ25	△26	R1/2" Female threads

The BLK-R type where sleeve is locked by rotating, is on page 11.

SM type (Male threads)

Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22SA-SM	Rc1/4" Male threads	56.5	12	φ25	△19	R1/4" Male threads
BLK23SA-SM	Rc3/8" Male threads	57.5	13	φ25	△19	R3/8" Male threads
BLK24SA-SM	Rc1/2" Male threads	60.5	16	φ25	△23	R1/2" Male threads

The BLK-R type where sleeve is locked by rotating, is on page 11.

SN type (Nut type)

Model	Mounting side profile	Dimensions mm				
		L	A	D	H	T
BLK22SA-SN	φ6.5xφ10 Uniform hole	61.5	17	φ25	△19	△17
BLK23SA-SN	φ8.5xφ12 Uniform hole	63.5	19	φ25	△19	△19

The BLK-R type where sleeve is locked by rotating, is on page 11.

BLK Type

Sleeve lock mechanism one push type



Easy to connect with one push mechanism Prevent disconnection from external impact, vibration

- Easy connection just by pushing the plug into socket
- Prevent disconnection of socket and plug from external impact, vibration.
- Available in various end configurations applicable to a wide range of applications.

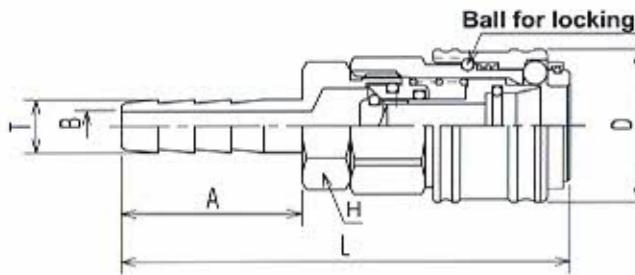


Connect and disconnect

(When connecting)

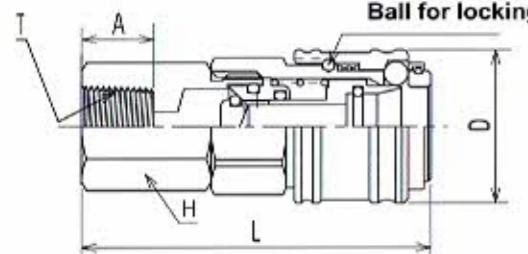
Simply push the plug into the socket, and the valve of the socket will open automatically at the same time as the plug locks, opening the flow path and allowing fluid to flow. After connecting, rotate the sleeve 90 degrees to lock it.

SH type (for hose connection)



Model	Mounting side profile	Dimensions MM				
		L	A	D	H	T
BLK22R-SH	1/4" Hose	74.5	30	φ26	△19	φ9
BLK23R-SH	3/8" Hose	74.5	30	φ26	△19	φ11
BLK24R-SH	1/2" Hose	79.5	35	φ26	△19	φ15

SF type (Female threads)

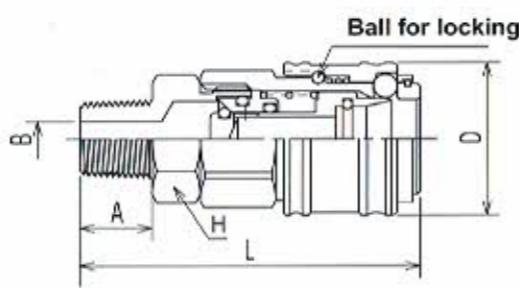


Model	Mounting side profile	Dimensions MM				
		L	A	D	H	T
BLK22R-SF	R1/4" Male threads	57	13	φ26	△19	R1/4" Female threads
BLK23R-SF	R3/8" Male threads	57	14	φ26	△21	R3/8" Female threads
BLK24R-SF	R1/2" Male threads	61	16	φ26	△26	R1/2" Female threads

(When disconnecting)

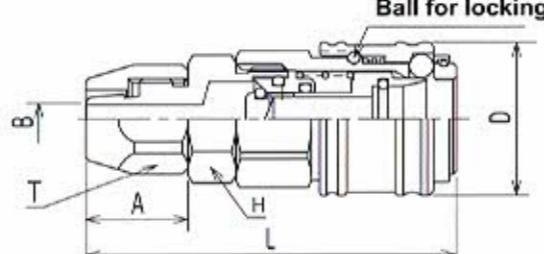
When the outer cylinder sleeve on the socket side is rotated 90 degrees and pulled back, it gets disconnected, the valve on the socket side is automatically closed, and the flow path does not flow out. However, please note that the fluid on the plug side will flow out.

SM type (Male threads)



Model	Mounting side profile	Dimensions MM				
		L	A	D	H	T
BLK22R-SM	R1/4" Female threads	56.5	12	φ26	△19	R1/4" Male threads
BLK23R-SM	R3/8" Female threads	57.5	13	φ26	△19	R3/8" Male threads
BLK24R-SM	R1/2" Female threads	60.5	16	φ26	△23	R1/2" Male threads

SN type (Nut type)



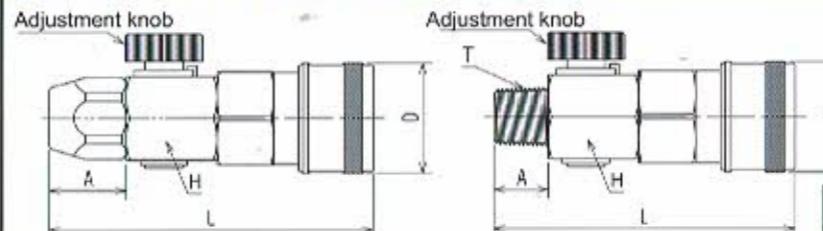
Model	Mounting side profile	Dimensions MM				
		L	A	D	H	T
BLK22R-SN	φ65xφ10 Urethane hose	61.5	17	φ26	△19	△17
BLK23R-SN	φ65xφ125 Urethane hose	63.5	19	φ26	△19	△19
BLK24R-SN	φ65xφ125 Urethane hose	65.5	21	φ26	△19	△19

Special Product

Coupling with flow rate regulator

- Fluid flow rate can be adjusted as needed by simply twisting the knob.
- Compatible with BL type.

SNT type (Nut type) SMT type (Male Threads)

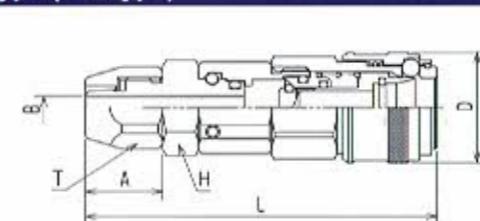


Model	Mounting side profile	Dimensions MM				
		L	A	D	H	T
BLY22-SNT	φ65xφ10 Urethane hose	71.5	17	φ25	△19	
BLY22-SMT	Rc1/4" Female threads	66.5	12	φ25	△19	R1/4"

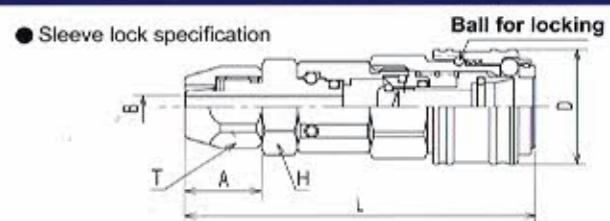
Rotary type nut coupling

- It is a rotary type that prevents the twisting of hose, and rotates 360 °.
- Easy connection just by pushing the plug into the socket.
- Compatible with BL type.

SNR type (Nut type)



Model	Application Shape/size	Dimensions MM				
		L	A	D	H	T
BLK22R-SNR	φ65xφ10 Urethane hose	76.5	17	φ25	△19	△17
BLK23R-SNR	φ65xφ125 Urethane hose	78.5	19	φ25	△19	△19

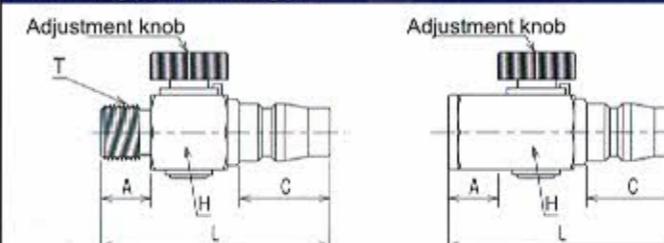


Model	Application Shape/size	Dimensions MM				
		L	A	D	H	T
BLK22R-SNR	φ65xφ10 Urethane hose	76.5	17	φ26	△19	△17
BLK23R-SNR	φ65xφ125 Urethane hose	78.5	19	φ26	△19	△19

Plug with flow rate regulator

- We undertake lot production. Please contact us.

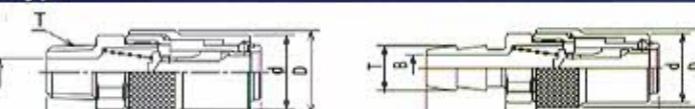
PMFT type, PFFT type



Model	Dimensions MM				
	L	A	C	H	T
BLY22-PMFT	50.5	11	20	△17	G1/4" Male threads
BLY22-PFFT	50.5	11	20	△17	G1/4" Female threads

Mold coupling

YK type



Model	Dimensions MM					
	L	A	D	H	T	
YK02-SM	52.5	29.5	φ21	φ18.5	13	R1/4" φ6
YK03-SH	60.5	29.5	φ21	φ18.5	21	φ12 φ7



Model	Dimensions MM			
	L	A	H	T
YK01-PM	31	15	9	R1/8" φ5.5
YK02-PM	34	15	12	R1/4" φ6

BLB Type

original

Valve construction
One way open-close type

Maximum working pressure
1.0 MPa

Applicable fluid
Air

One push button type for pneumatic piping

6 Features

*Easy connection by inserting the plug and easy disconnection by pushing a button

*Safe with the lock function by the button knob

*Preventive from damage and protective from external impact as the body is covered with rubber case

* Ease recoiling impact occurred on the plug by releasing air pressure when disconnect

* Preventive measure for hose twisting with swivel mechanism

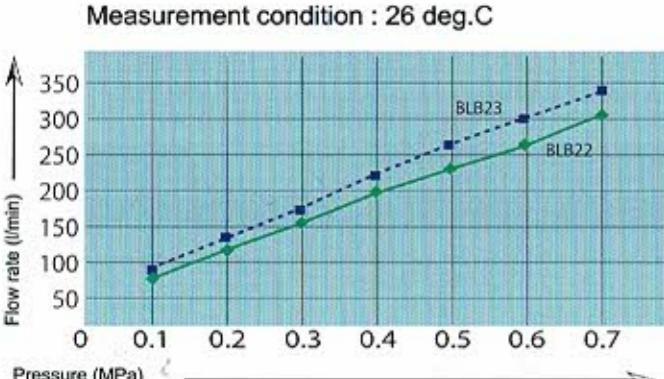
JAPAN Patented Product



Specifications

Product name	BLB22 (Red)	BLB23 (Blue)
Nominal diameter	1/4 "	3/8 "
Body material	Steel (Chrome plating) Pom . CR	
Max. Operating pressure Kgf/cm ² (MPa)	1.0 (1.0)	
Design Pressure Kgf/cm ² (MPa)	1.5 (1.5)	
Seal material Operating temperature range	Nitrile rubber (NBR) : -20 °C ~ +80 °C	

Pressure flow rate characteristic



Fluid direction



Rotate the button knob to prevent the button from being pressed down by external contact.



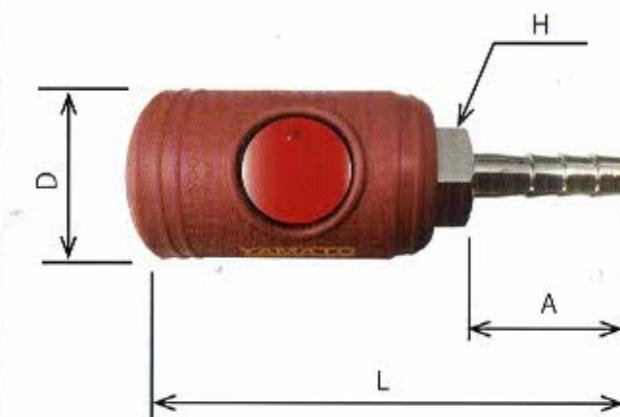
Fluid direction

Available for connection with BLY 22 type, BLY23 type (3/8"), BLY type (1/2") plug.

Product type, Dimension chart

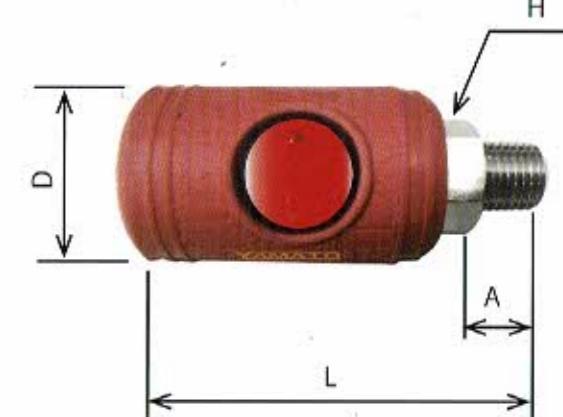
One push button type socket

SH type (For hose connection)



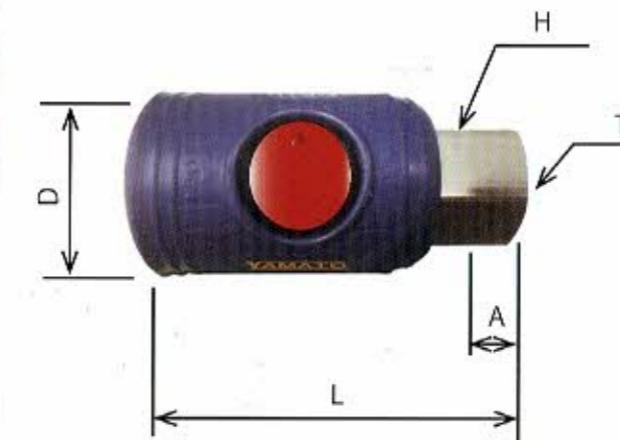
	L	A	D	H	T	B
BLB22-SH	1/4" Hose	87	30	φ33.5	△19	φ9
BLB23-SH	3/8" Hose	87	30	φ33.5	△19	φ11

SM type (Male threads)



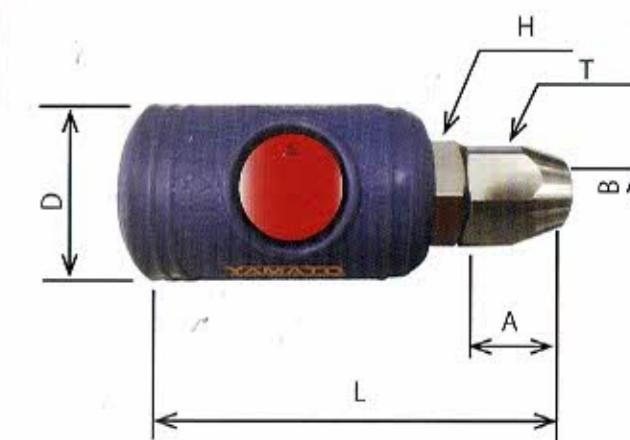
	L	A	D	H	T	B
BLB22-SM	Rc1/4" Male threads	70	12	φ33.5	△19	31/4" Male threads φ7.5
BLB23-SM	Rc3/8" Male threads	71	13	φ33.5	△19	31/8" Male threads φ9

SF type (Female threads)



	L	A	D	H	T
BLB22-SF	R1/4" Male threads	63	13	φ33.5	△19
BLB23-SF	R3/8" Male threads	64	14	φ33.5	△21

SN type (Nut type)



	L	A	D	H	T	B
BLB22-SN	ø0.5xø10 Unistrut base	75	17	φ33.5	△19	ø17
BLB23-SN	ø0.5xø25 Unistrut base	77	19	φ33.5	△19	ø19

BLA Type

Universal purpose low pressure air-line couplings for pneumatic tools.



From air supply source to pneumatic tool connection
One push mechanism for easy handling

*Compact and light weight suitable for long handling

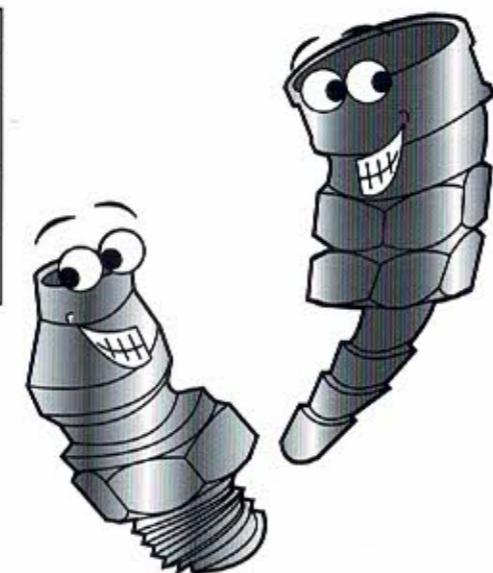
*Easy connection / disconnection with one-push mechanism

* Various end configurations applicable to a wide range of applications.



Specifications

Main body material	Carbon Steel (plating) Aluminium
Size	1/4"
Max. operating pressure	1.0 (1.0)
Max. Design Pressure	1.5 (1.5)
Seal material Operating temperature range	Nitrile rubber (NBR): -20 °C ~ +80 °C



Connect and disconnect

(Connect)

Pulling back outer cylinder sleeve on the socket and insert plug. Valve of socket opens automatically and air flows as flow path opens.

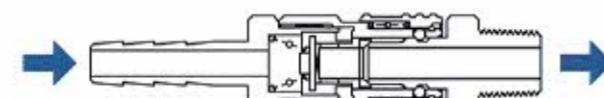
(Disconnect)

Pulling back outer cylinder sleeve for disconnecting. Valve of socket closes automatically and air does not flow out as flow path closes.

Note: Fluid remained in plug should flow out.

Flow direction

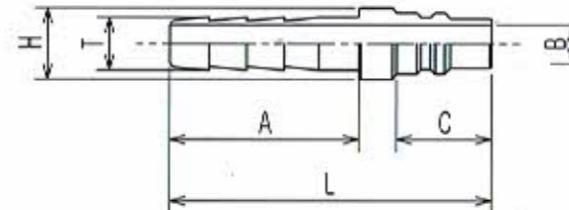
Fluid flows from socket side to plug side.



Product model, dimension chart

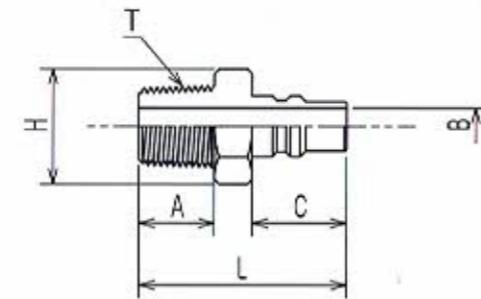
Plug

PH type (For hose connection)



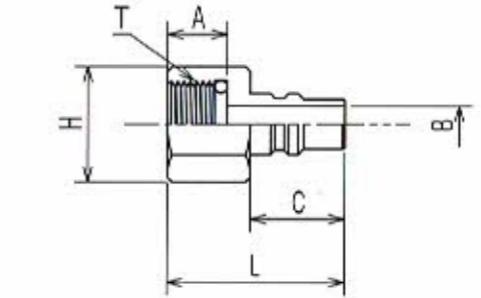
Model	Application	Dimensions (mm)				
		L	C	A	H	T
BLA12-PH	1/4" Hose	51	15	30	51	φ8.5 φ6

PM type (Male threads)



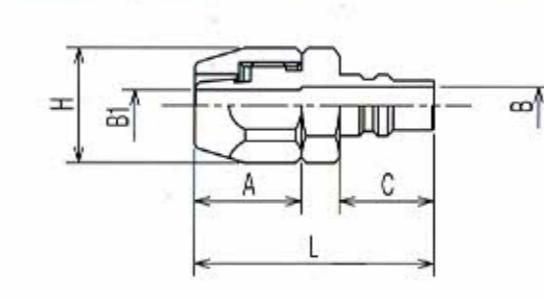
Model	Application	Dimensions (mm)				
		L	C	A	H	T
BLA12-PM	Rc1/4" Female threads	34	15	13	△17	R1/4" φ6

PF type Female threads



Model	Application	Dimensions (mm)				
		L	C	A	H	T
BLA12-PFF	G1/4" Male threads	28	15	9	△17 G1/4" φ6	

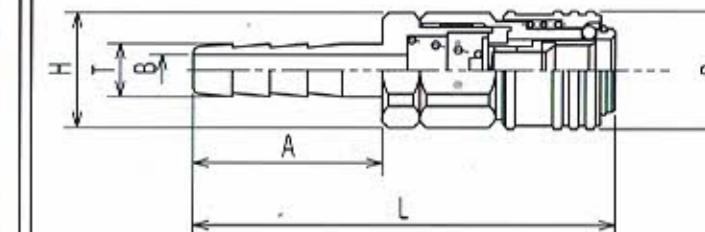
PN type Nut type



Model	Application	Dimensions (mm)				
		L	C	A	H	B
BLA12-PN	Φ65Φ10 Urethane hose	38	15	17	△17	φ6 φ5

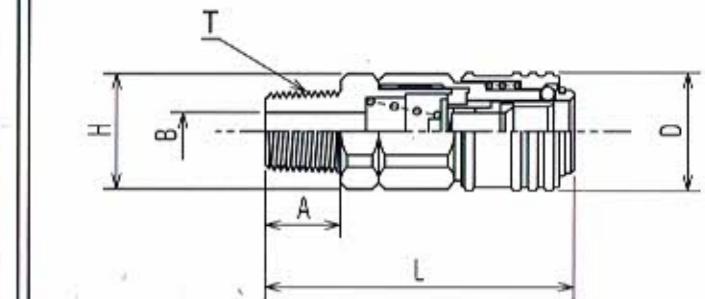
Socket

SH type (For hose connection)



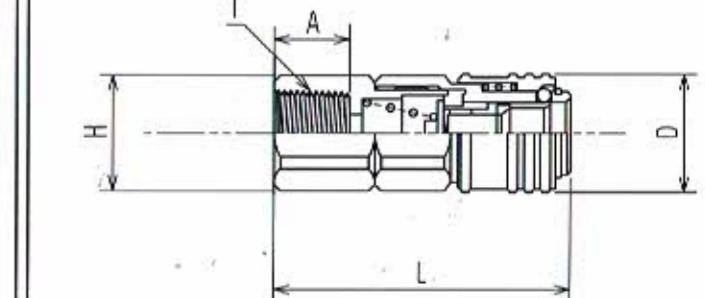
Model	Application	Dimensions (mm)				
		L	A	D	H	T
BLA12-SH	1/4" Hose	67	30	φ19	△17	φ8.5 φ5

SM type (Male threads)



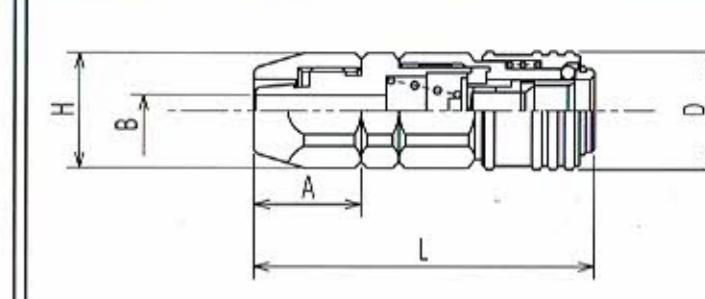
Model	Application	Dimensions (mm)				
		L	A	D	H	T
BLA12-SM	Rc1/4" Female threads	49	12	φ19	△17	R1/4" φ6

SF type Female threads



Model	Application	Dimensions (mm)				
		L	A	D	H	T
BLA12-SF	R1/4" Male threads	47	12	φ19	△17	Rc1/4"

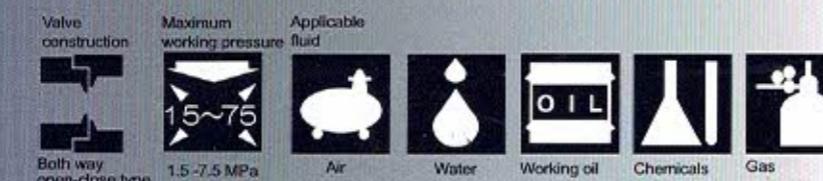
SN type Nut type



Model	Application	Dimensions (mm)				
		L	A	D	H	B
BLA12-SN	Φ65Φ10 Urethane hose	54	17	φ19	△17	φ5

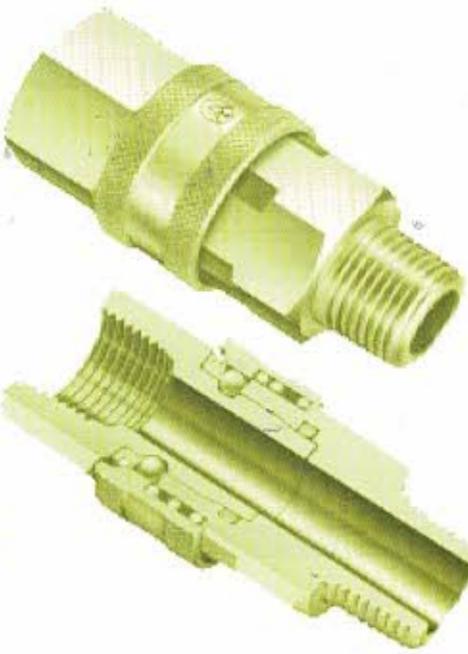
STY Type

Medium pressure
Multipurpose type



Valveless structure suits high viscosity fluid. Wide selection of body materials, sizes and end configurations.

- Valveless structure saves pressure loss and achieves high flow performance even for high viscous fluids such as grease.
- Availability of body material: SS 303, SS 304, Brass SS316, Carbon steel upon request
- Available in various materials, sizes, end configurations applicable to a wide range of applications.



Specifications

- Structure: No valve, Ball-lock type
- Mounting part profile: PT Male threads (M type), PT Female threads (F type), Hose Shank (H type)

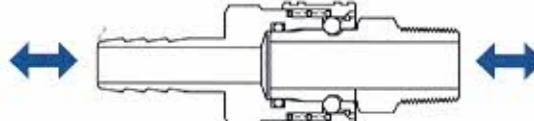
Main body material	Brass					Stainless				
	1/8"	1/4"	3/8"	1 1/4"	2"	1/8"	1/4"	3/8"	1"	1 1/4"
Size	1/8" 1/4"	3/8" 1/2"	1/4" 1"	1 1/4" 1 1/2"	2"	1/8" 1/4"	3/8" 1/2"	1" 1 1/2"	1 1/4" 2"	
Max. Operating pressure	51 (5.0)	31 (3.0)	20 (2.0)	15 (1.5)	76 (7.5)	46 (4.5)	31 (3.0)	20 (2.0)		
Max. Design pressure	76 (7.5)	46 (4.5)	31 (3.0)	24 (2.3)	102 (10.0)	66 (6.5)	46 (4.5)	31 (3.0)		
Rubber material	Working temperature range					Remarks				
Nitrile rubber	-20°C ~ +80°C					Standard material				
Fluoro rubber (Viton)	-20°C ~ +180°C					Semi-standard product				
Chloroprene rubber (Neoprene rubber)	-20°C ~ +80°C					Semi-standard product				
Ethylene propylene rubber	-40°C ~ +150°C					Semi-standard product				

Maximum tightening torque (kgf-cm²)

Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque value	Brass	50	90	120	300	500	700	1500	1600
	Stainless	90	140	220	600	900	1200	2400	2600

Flow direction

Fluid flows in either direction from plug or from socket side.



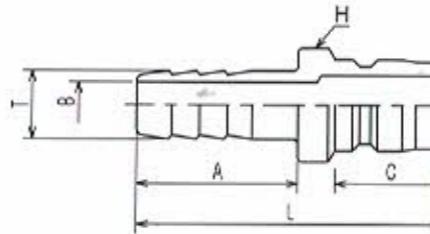
Handling Guide

- Due to valveless structure, fluid in the piping may flow out at the time of disconnecting. Use the coupling where unnecessary to shut off the fluid when disconnecting. Be careful when handling dangerous fluids such as high temperature, chemical, etc.
- If the fluid flows intermittently in usual operation, it may cause a damage on gasket packing or body by water hammer phenomenon leading to the leakage. Replacement is recommended if sign of such damage is found at regular maintenance check.

Product model, dimension chart

Plug

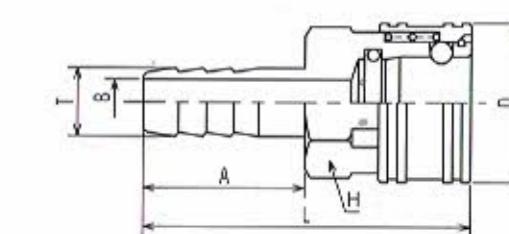
PH type (For hose connection)



Model	Mounting shape of mating part	Dimensions (mm)					Standard material	Standard material
		L	A	C	H	B		
STY1-PH	For 1/8" hose	41	20	15.5	12	φ3	φ6.5	BSBM SUS303
STY2-PH	For 1/4" hose	56	30	18	16	φ5	φ8	BSBM SUS303
STY3-PH	For 3/8" hose	59	30	21	17	φ7.5	φ11	BSBM SUS304
STY4-PH	For 1/2" hose	67	35	24	25	φ10	φ15	BSBM SUS304
STY6-PH	For 3/4" hose	80	40	28	28	φ15	φ21	BSBM SUS304
STY8-PH	For 1" hose	104	53	36	42	φ19	φ27	BSBM SUS304
STY10-PH	For 1 1/4" hose	117	62	39	50	φ27	φ34.5	BSBM SUS304
STY12-PH	For 1 1/2" hose	132	70	45.5	55	φ31	φ41	BSBM SUS304
STY16-PH	For 2" hose	137	70	50.5	75	φ42	φ54	BSBM SUS304

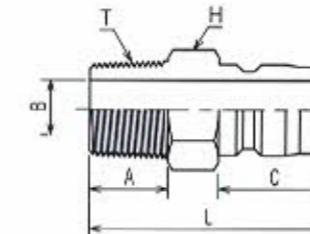
Socket

SH type (For hose connection)



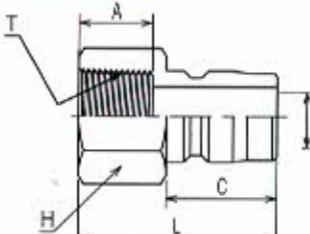
Model	Mounting shape of mating part	Dimensions (mm)					Standard material	Standard material
		L	A	C	H	B		
STY1-SH	For 1/8" hose	40	20	18	16	φ3	φ6.5	BSBM SUS303
STY2-SH	For 1/4" hose	59	30	25	24	△19	φ8	BSBM SUS303
STY3-SH	For 3/8" hose	62	30	28	23	△7.5	φ11	BSBM SUS304
STY4-SH	For 1/2" hose	71	35	35	29	△10	φ15	BSBM SUS304
STY6-SH	For 3/4" hose	84	40	44	38	△15	φ21	BSBM SUS304
STY8-SH	For 1" hose	104	53	57.8	55	△19	φ27	BSBM SUS304
STY10-SH	For 1 1/4" hose	121	62	67	52	△54.5	φ34.5	BSBM SUS304
STY12-SH	For 1 1/2" hose	132	70	75	66	△31	φ41	BSBM SUS304
STY16-SH	For 2" hose	133	70	95	81	△42	φ54	BSBM SUS304

PM type (Male threads)



Model	Mounting shape of mating part	Dimensions (mm)					Standard material	Standard material
		L	A	C	H	B		
STY1-PM	Rc1/8" Female threads	32	9	15.5	12	φ4.5	R1/8"	BSBM SUS303
STY2-PM	Rc1/4" Female threads	37.5	12	18	17	φ6.5	R1/4"	BSBM SUS303
STY3-PM	Rc3/8" Female threads	43	13	21	19	φ10	R3/8"	BSBM SUS304
STY4-PM	Rc1/2" Female threads	52	17	24	23	φ13	R1/2"	BSBM SUS304
STY6-PM	Rc3/4" Female threads	59	19	28	32	φ17	R3/4"	BSBM SUS304
STY8-PM	Rc 1" Female threads	73	22	36	41	φ24	R1"	BSBM SUS304
STY10-PM	Rc1 1/4" Female threads	82	23	39	50	φ32	R1 1/4"	BSBM SUS304
STY12-PM	Rc1 1/2" Female threads	93	26	45.5	50	φ38	R1 1/2"	BSBM SUS304
STY16-PM	Rc 2" Female threads	100	27	50.5	77	φ50	R2"	BSBM SUS304

PF type (Female threads)



Model	Mounting shape of mating part	Dimensions (mm)					Standard material	Standard material
		L	A	C	H	B		
STY1-PF	R1/8" Male threads	27	9	15.5	14	φ4.5	R1/8"	BSBM SUS

SPY Type

Medium pressure
Multipurpose type



For medium pressure applications,
with automatic shut off valves in
both socket and plug.
Wide selection of sizes and end
configurations.

- Automatic shut-off valves in both socket and plug prevent fluid spill out on disconnection
- Available in Body material: Brass, SS 303, SS 304 Carbon Steel and SS 316 upon request.
- Available in various end configurations applicable to a wide range of applications.



Specifications

- ◆ Structure: Two way Ball-lock standard type
- ◆ Mounting part profile: PT Female threads for both Socket and Plug

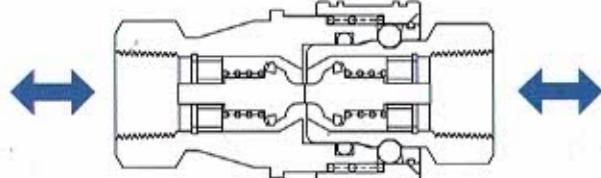
Main body material	Brass				Stainless							
	1/8"	1/4"	1/2"	3/4"	1 1/4"	2"	1/8"	1/4"	1/2"	3/4"	1 1/4"	2"
Size	1/8"	1/4"	1/2"	3/4"	1 1/4"	2"	1/8"	1/4"	1/2"	3/4"	1 1/4"	2"
3/8"		1"		1 1/2"			3/8"		1"		1 1/2"	
Max. operating pressure	51 (5.0)	31 (3.0)	20 (2.0)	15 (1.5)	76 (7.5)	46 (4.5)	31 (3.0)	20 (2.0)				
Max. design pressure	76 (7.5)	46 (4.5)	31 (3.0)	24 (2.3)	102 (10.0)	66 (6.5)	46 (4.5)	31 (3.0)				
Rubber material	Rubber material				Working temperature range				Remarks			
Nitrile rubber	-20°C ~ +80°C				Standard material							
Fluororubber (Viton)	-20°C ~ +180°C				Semi-standard product							
Chloroprene rubber (Neoprene rubber)	-20°C ~ +80°C				Semi-standard product							
Ethylene propylene rubber	-40°C ~ +150°C				Semi-standard product							

Maximum tightening torque (kgf-cm²)

Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque value	Brass	50	90	120	300	500	700	1500	1600
	Stainless	90	140	220	600	900	1200	2400	2600

Flow direction

Air flows in either direction from plug or from socket side.



Handling guide

In case that nipple or male thread is required for assembling, use nipple of the market standard.

Product model, dimension chart

Model	Mounting shape of mating part	Dimensions mm			Standard material	Standard material
		L	D	H		
SPY1-S	R1/8" Male threads	49	φ25(φ24)	2 Faces 14 x φ17.5	Rc1/8" x 11mm	BSBM SUS303
SPY2-S	R1/4" Male threads	57.5	φ28	2 Faces 17 x φ22	Rc1/4" x 13mm	BSBM SUS303
SPY3-S	R3/8" Male threads	65.2	φ35	2 Faces 21 x φ25	Rc3/8" x 13mm	BSBM SUS304
SPY4-S	R1/2" Male threads	71.8	φ44	2 Faces 29 x φ35	Rc1/2" x 16mm	BSBM SUS304
SPY6-S	R3/4" Male threads	88	φ54	2 Faces 32 x φ40	Rc3/4" x 19mm	BSBM SUS304
SPY8-S	R 1" Male threads	102	φ65	2 Faces 41 x φ48	Rc 1" x 22mm	BSBM SUS304
SPY10-S	R1 1/4" Male threads	115	φ79	2 Faces 54 x φ59	Rc1 1/4" x 24mm	BSBM SUS304
SPY12-S	R1 1/2" Male threads	124	φ89	2 Faces 63 x φ69	Rc1 1/2" x 24mm	BSBM SUS304
SPY16-S	R 2" Male threads	132	φ109	2 Faces 77 x φ86	Rc 2" x 25mm	BSBM SUS304

Model	Mounting shape of mating part	Dimensions mm			Standard material	Standard material
		L	C	H		
SPY1-P	R1/8" Male threads	30	19	△14	Rc1/8" x 11mm	BSBM SUS303
SPY2-P	R1/4" Male threads	35.5	23	△17	Rc1/4" x 13mm	BSBM SUS303
SPY3-P	R3/8" Male threads	40	25.2	△21	Rc3/8" x 13mm	BSBM SUS304
SPY4-P	R1/2" Male threads	44	28.2	△29	Rc1/2" x 16mm	BSBM SUS304
SPY6-P	R3/4" Male threads	53	36	△35	Rc3/4" x 19mm	BSBM SUS304
SPY8-P	R 1" Male threads	62	40.3	△41	Rc 1" x 22mm	BSBM SUS304
SPY10-P	R1 1/4" Male threads	70	45.5	2 Faces 54 x φ59	Rc1 1/4" x 24mm	BSBM SUS304
SPY12-P	R1 1/2" Male threads	75	49	2 Faces 63 x φ69	Rc1 1/2" x 24mm	BSBM SUS304
SPY16-P	R 2" Male threads	80	52	2 Faces 77 x φ84	Rc 2" x 25mm	BSBM SUS304

Socket

Plug

No.	Part name
1	Stop ring
2	Steel balls
3	Sleeve
4	Sleeve spring
5	Body Seal
6	Socket body
7	Valve body
8	Valve spring
9	Valve guide
10	Snap ring

No.	Part name
11	Valve body
12	Valve spring
13	Valve guide
14	Snap ring
15	Plug body

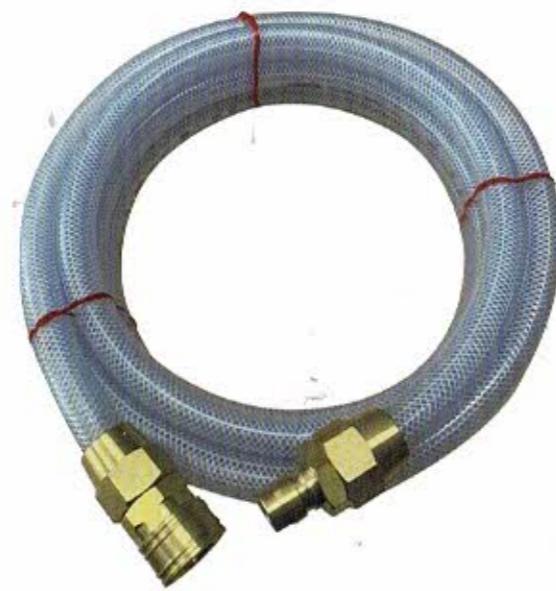
Nut Coupling for Braided Hose

For Braided Hose

original

Nut type coupling where hose band is not required.

- Hose band is not required.
- Simply Insert hose to the root and just tighten the nut till end
- Reliable nut profile reduces greatly risk of hose slip away or fluid leaks
- Inner parts are not required as the coupling is for general braided hose



Specifications

Material	Brass
Max. operating pressure	Comply with specification of the braided hose
Max. design pressure	Comply with specification of the braided hose
Working temperature range	Comply with specification of the braided hose
Applicable fluid	Air, water, oil etc.



Specifications

	$\phi 9 \times \phi 15$	$\phi 12 \times \phi 18$	$\phi 15 \times \phi 22$	$\phi 19 \times \phi 26$	$\phi 25 \times \phi 33$
BLY type	BLY23-SN-90 BLY23-PN-90	BLY24-SN-120 BLY24-PN-120 BLY44-SN-120 BLY44-PN-120	BLY24-SN-150 BLY24-PN-150 BLY44-SN-150 BLY44-PN-150	BLY46-SN-190 BLY46-PN-190	BLY48-SN-250 BLY48-PN-250
STY type	STY3-SN-90 STY3-PN-90	STY4-SN-120 STY4-PN-120	STY4-SN-150 STY4-PN-150	STY6-SN-190 STY6-PN-190	STY8-SN-250 STY8-PN-250
Adapter	3BH-90	4BH-120	4BH-150	6BH-190	8BH-250

1. Follow the specifications of the braided hose to be used.
2. Be careful about the usage environment as stress corrosion cracking may occur in the corrosive environment.
3. Tighten the nut to the end for fixing the braided hose firmly
4. The coupling is applicable to braided hose made from soft vinyl chloride and reinforced with woven yarn

Swivel Connector Plug

For pneumatic piping

original

Maximum working pressure 1.0 MPa
Applicable fluid Air



Suitable in general for Air tools such as Impact wrench, Grinders etc.



Suitable for Air Duster Gun etc.

Eliminates twisting, kinking, and dripping of the hose.

- Swivel plug for connecting hoses such as air tools
- Tools can be used easily and work-ability is greatly improved since it rotates smoothly in 360° vertically and horizontally.
- The plug with flow regulator is also available
- 3 different body colors (Blue, Red, Yellow) are available for line management

Specifications

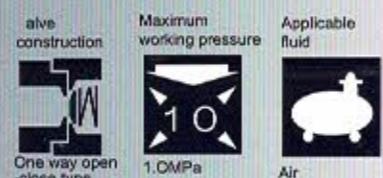
Material	Aluminum, Steel (Chrome plating)	
Mounting thread size	R1/4 · G1/4	
Max. operating pressure	1.0 MPa	
Max. design pressure	1.5 MPa	
Seal material	Nitrile rubber	Operating temperature range -20~80°C
Body color	Blue, Red, Yellow (Almite plating)	



Model	Mounting thread size of mating part	Accessories
BLY20-PMSW	Rc 1/4	
BLY20-PMFSWR	G1/4	With flow regulator

TW Type

For pneumatic manifold piping



BLY type couplings assembled on free turn manifold

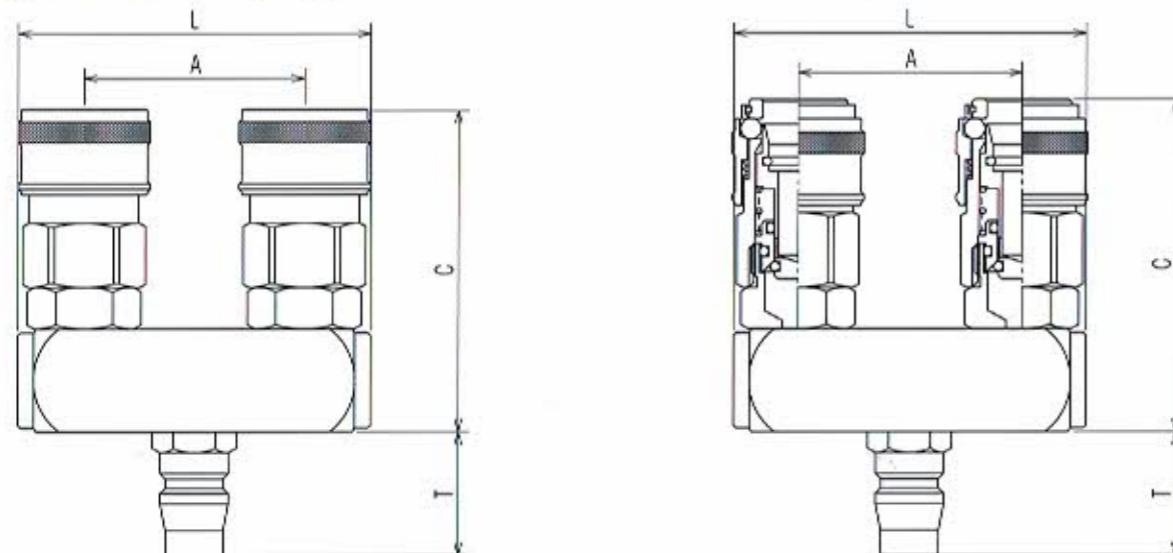
- Multiple outlets are available from single air supply source
- TW 2 is lightweight due to aluminum body



Specifications

Product name	T W - 2	T W - 2 K
Branches	2 branches (Fixed)	
Body material	Body: Aluminium, Coupling: Steel (Chrome plating)	
Max. Operating pressure Kgf/cm ² (MPa)	1 0 (1. 0)	
Max. design pressure Kgf/cm ² (MPa)	1 5 (1. 5)	
Seal material Operating temperature range	Nitrile rubber (NBR) : - 20 deg.C ~ +80deg.C.	
Coupling	BLY type Popular type, BLK type One push type	

TW type (For 2 branch piping)



Model	Socket (Discharge port)	Dimensions (mm)			
		L	A	C	T
TW-2	General purpose type (BLY type 20 type)	67	40	62.5	24
TW-2-2M	General purpose type (BLY type 20 type)	67	40	62.5	18
TW-2-3M	General purpose type (BLY type 20 type)	67	40	62.5	19

Model	Socket (Discharge port)	Dimensions (mm)			
		L	A	C	T
TW-2	General purpose type (BLY type 20 type)	67	40	62.5	24
TW-2K	One push type (BLK type 20 type)	67	40	64.5	24
TW-2-2M	One push type (BLK type 20 type)	67	40	64.5	18
TW-2-3M	One push type (BLK type 20 type)	67	40	64.5	19
TW-2KR-2N	One push type (BLK type 20 type) Lock specification	67	40	64.5	25
TW-2KR-3N	One push type (BLK type 20 type) Lock specification	67	40	64.5	27

※ Sleeve lock specification to prevent connection slip is available separately.

LR Type

Rotary type For air manifold piping



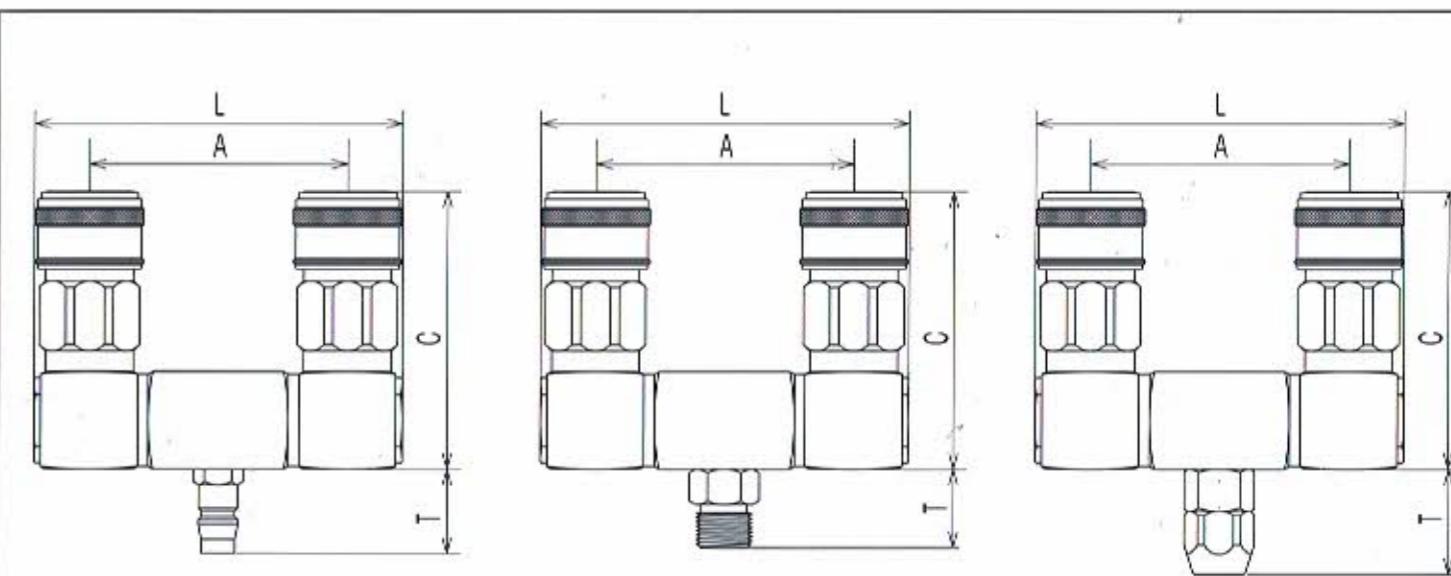
BLK type air-line couplings on free turn manifold. Each air outlet can be turned freely (360°) to any angle independently

- Multiple outlets are available from single air supply source
- Possible hose twists are eliminated by the swivel mechanism



仕様

Model name	L R - 2
Branches	2 branches (swivel specification)
Main body material	
Max. Operating pressure Kgf/cm ² (MPa)	1 0 (1. 0)
Max. design pressure Kgf/cm ² (MPa)	1 5 (1. 5)
Seal material Operating temperature range	Nitrile rubber (NBR) : - 20 deg.C ~ +80deg.C.
Coupling	BLK type One push type



Model	Socket (Discharge port)	Dimensions (mm)			
		L	A	C	T
LR-2	One push type (BLK type 20 type)	77	50	63	24
LR-2-2M	One push type (BLK type 20 type)	77	50	63	18
LR-2-3M	One push type (BLK type 20 type)	77	50	63	19
LR-2-2N	One push type (BLK type 20 type) Lock specification	77	50	63	25
LR-2-3N	One push type (BLK type 20 type) Lock specification	77	50	63	27

※ Sleeve lock specification to prevent connection slip is available separately.

original

MR Type

Coupling on free turn manifold

Valve construction	Maximum working pressure	Applicable fluid
One way open-close type	1.0MPa	Air

Possible to connect outlets additionally as necessity. Each air outlet can be turned freely (360°) to any angle independently

- Multiple outlets are available from single air supply source by additional connecting.
- Multiple outlets are rotatable to any angle. Possible hose twists can be eliminated by the swivel mechanism.
- Inexpensive for sudden expansion.
- Smart support for various environments depending on the combination.
- A wide range of sizes and connection type are standardized.
- Coupling is compatible with BL type plugs.

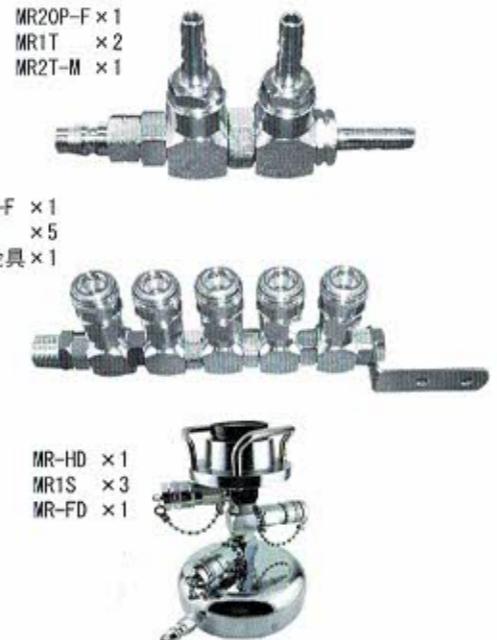
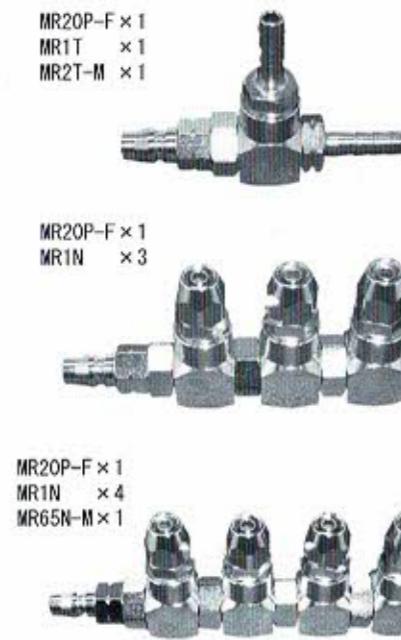
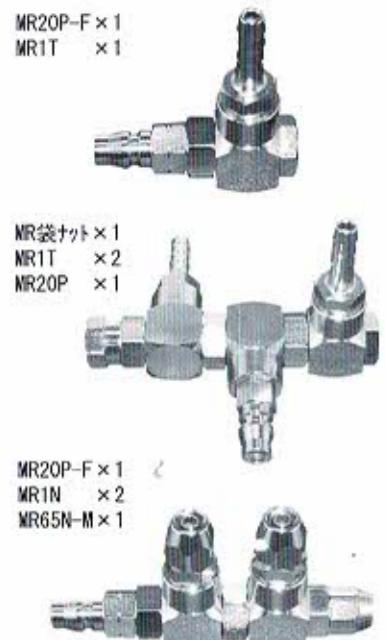
Specifications

Product name	MR Series
Branches	1 ~ n branches (Rotary type)
Body material	Body: Brass, Steel (Chrome plating), Coupling: Steel (Chrome plating)
Inlet, Outlet	Socket (S), Plug (P), Female threads (F), Male threads (M), Hose nipple (H), Nut (N)
Max. operating pressure kgf/cm ² (MPa)	1.0 (1.0)
Design pressure kgf/cm ² (MPa)	1.5 (1.5)
Seal material	Nitrile rubber (NBR) : -20 deg.C ~ +80deg.C.
Operating temperature range	
Coupling	BLK type One push type

Installation example

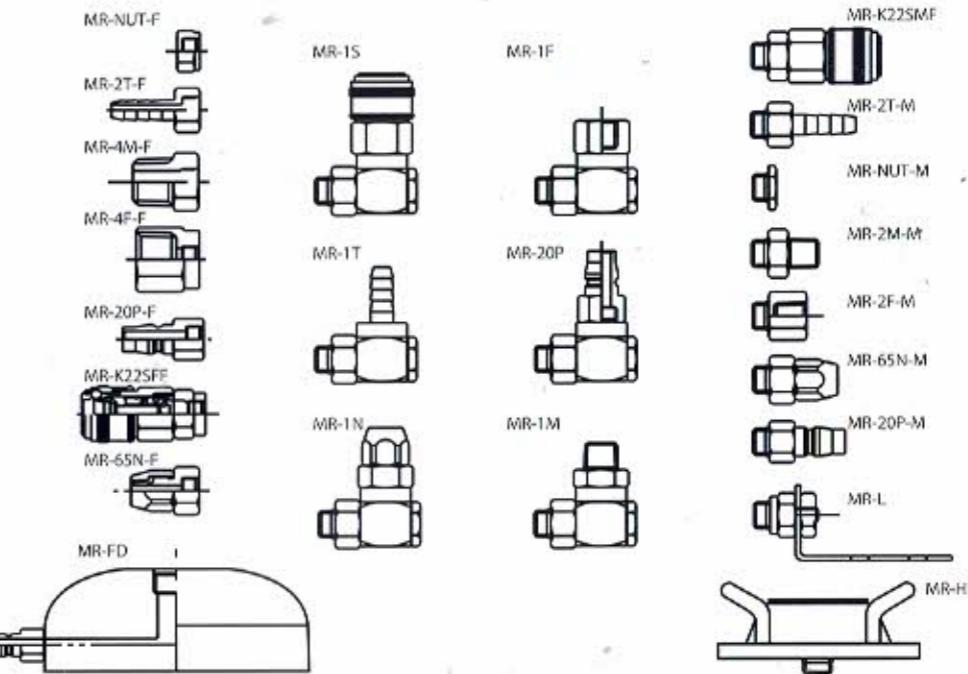
Rotates freely 360 °.

We also accept lot assembly sales, so please contact us separately



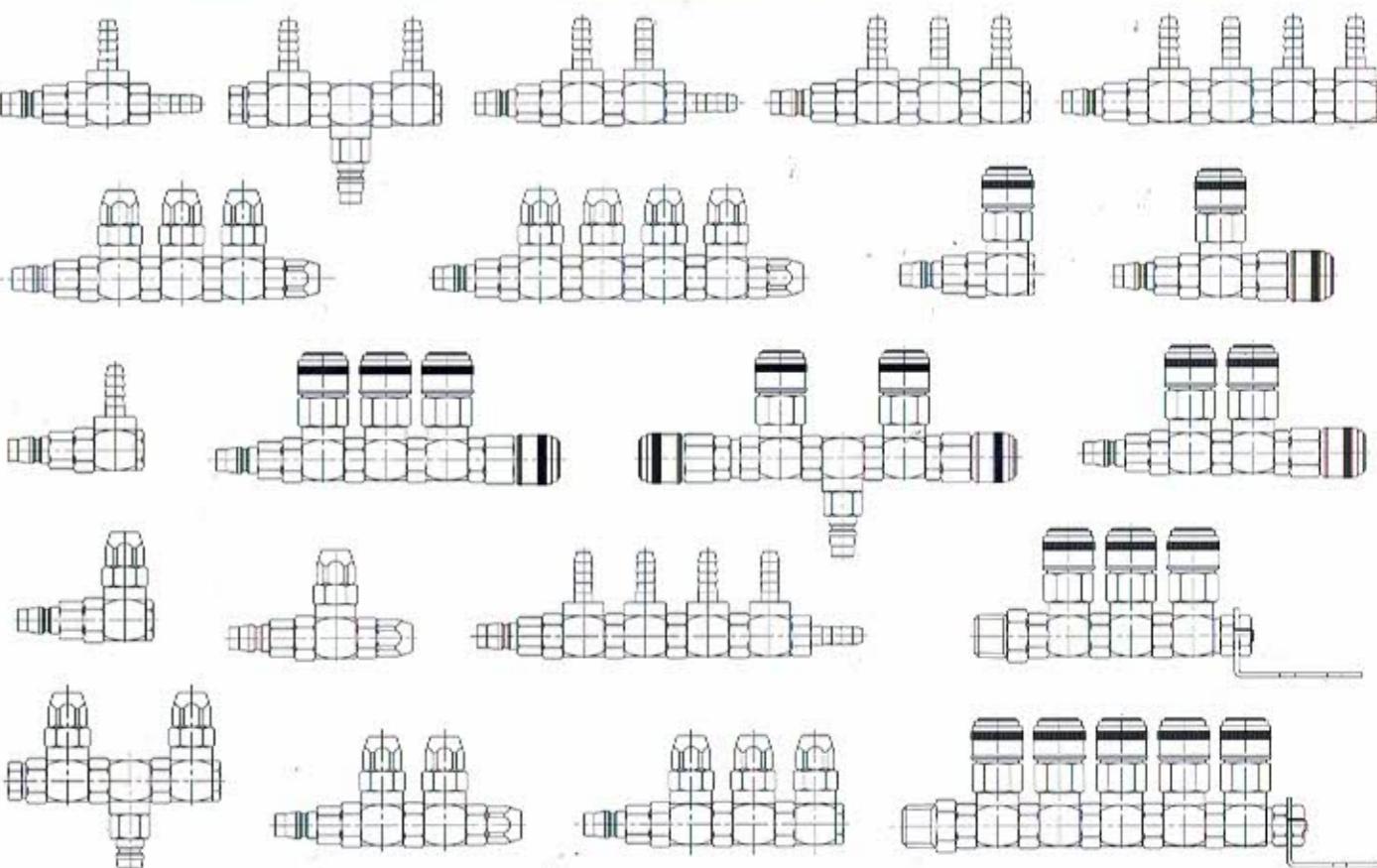
MR type (Multiple connection couplers)

Large number of sizes, profiles are standardized, which corresponds to wide range of applications.



Multiple connection couplers (MR type)	
Master Body	Profile
Model	
MR-1S	One push socket
MR-1F	Rc1/4
MR-1T	Ø 9 Shank
MR-1N	For Ø6.5xØ10 urethane hose
MR-1M	R1/4
MR-20P	20 type plug
Sub parts (Female threads)	
Model	Profile
MR-2T-F	Ø 9 Shank
MR-4M-F	R1/2
MR-4F-F	Rc1/2
MR-20P-F	20 type plug
MR-K22SFF	One push socket
MR-65N-F	For Ø6.5xØ10 urethane hose
MR-NUT-F	
MR-FD	Pedestal for portable line coupling
Sub parts (Male threads)	
Model	Profile
MR-2T-M	Ø 9 Shank
MR-2M-M	R1/4
MR-2F-M	Rc1/4
MR-20P-M	20 type plug
MR-K22SMF	One push socket
MR-65N-M	For Ø6.5xØ10 urethane hose
MR-NUT-M	
MR-L	L type fixed mounting bracket
MR-HD	Pressure indicator for portable line coupling

Connection composition example



Air header coupling

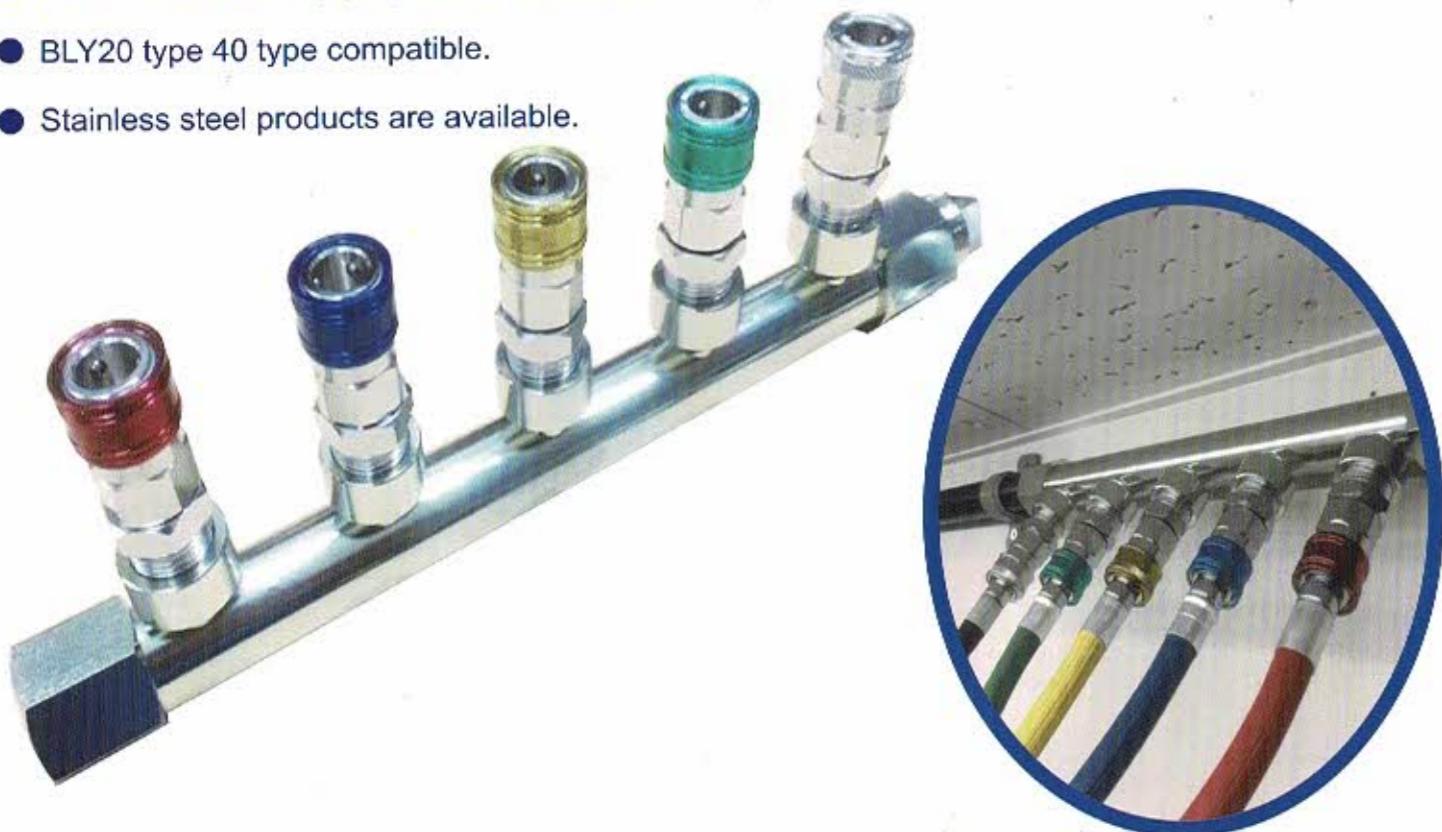
original

Air manifold piping



The new design has made it lighter.

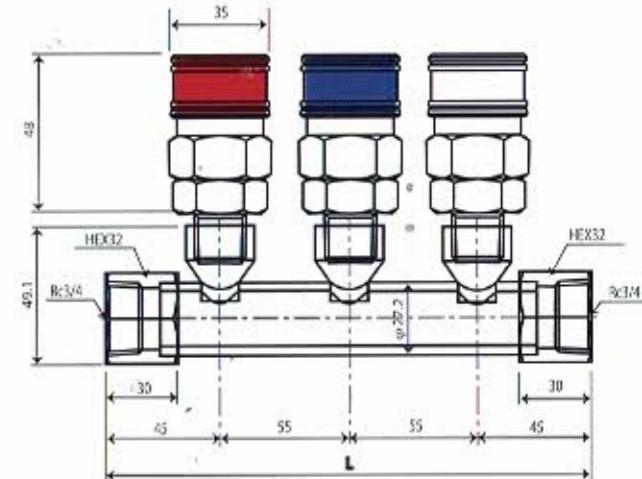
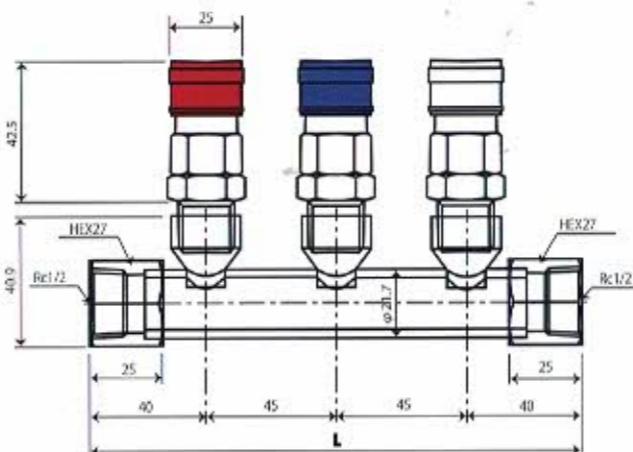
- Achieves 3 to 5 branch air outlets directly from the piping!
- Easy and speedy air piping work that takes time and effort!
- Lighter than conventional products!
- Achieve reasonable price setting!
- Color-coded management of piping lines by adopting the industry's first color coupling!
- Added variance for piping sizes 1/2 and 3/4.
- BLY20 type 40 type compatible.
- Stainless steel products are available.



Specifications

Pipe	Rc1/2 - Rc3/4
Branches	3 ~ 5 branches (Fixed)
Body material	Body: Steel (trivalent plating), Coupling: Steel (Chrome plating)
Max. Operating pressure kgf/cm ² (MPa)	1.5 (1.5)
Design Pressure kgf/cm ² (MPa)	2.0 (2.0)
Seal material	Nitrile rubber (NBR) : -20 deg.C ~ +80degC.
Operating temperature range	
Coupling	BLY type Popular type, (20 type 40 type)

Significantly lightweight
About -30%
than conventional PAL product



Mounting port 1/2 4PAL type

Model	Mounting port	Coupling color	Lmm	Weight g
4PAL3-20-3	BLY23-SM × 3 branches	Red, Blue, Silver	170	757
4PAL4-20-4	BLY23-SM × 4 branches	Red, Blue, Yellow, Silver	215	968
4PAL5-20-5	BLY23-SM × 5 branches	Red, Blue, Yellow, Green, Silver	260	1185

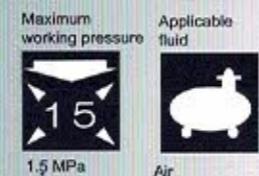
Mounting port Rc3/4 6PAL type

Model	Mounting port	Coupling color	Lmm	Weight g
6PAL3-20-3	BLY24-SM × 3 branches	Red, Blue, Silver	200	912
6PAL4-20-4	BLY24-SM × 4 branches	Red, Blue, Yellow, Silver	255	1162
6PAL5-20-5	BLY24-SM × 5 branches	Red, Blue, Yellow, Green, Silver	310	1415
6PAL3-40-3	BLY44-SM × 3 branches	Red, Blue, Silver	200	1193
6PAL4-40-4	BLY44-SM × 4 branches	Red, Blue, Yellow, Silver	255	1536
6PAL5-40-5	BLY44-SM × 5 branches	Red, Blue, Yellow, Green, Silver	310	1883
6PAL3-2040-21	BLY24-SM × 2 branches BLY44-SM × 1 branch	Red, Blue, Silver	200	1006
6PAL4-2040-31	BLY24-SM × 3 branches BLY44-SM × 1 branch	Red, Blue, Yellow, Silver	255	1254
6PAL5-2040-32	BLY24-SM × 3 branches BLY44-SM × 2 branches	Blue, Yellow, Green, Red, Silver	310	1601

Portable Line Coupling

original

For air manifold piping



Presenting additional items than the branch coupling

- It can be used as a portable branch relay station for air hoses.

Portable manifold for branching 6 outlet directions from one supply line.
Easy for line management by color coded coupling.

Fixed type for high pressure line (Max. OP 2.5 MPa) is also available.

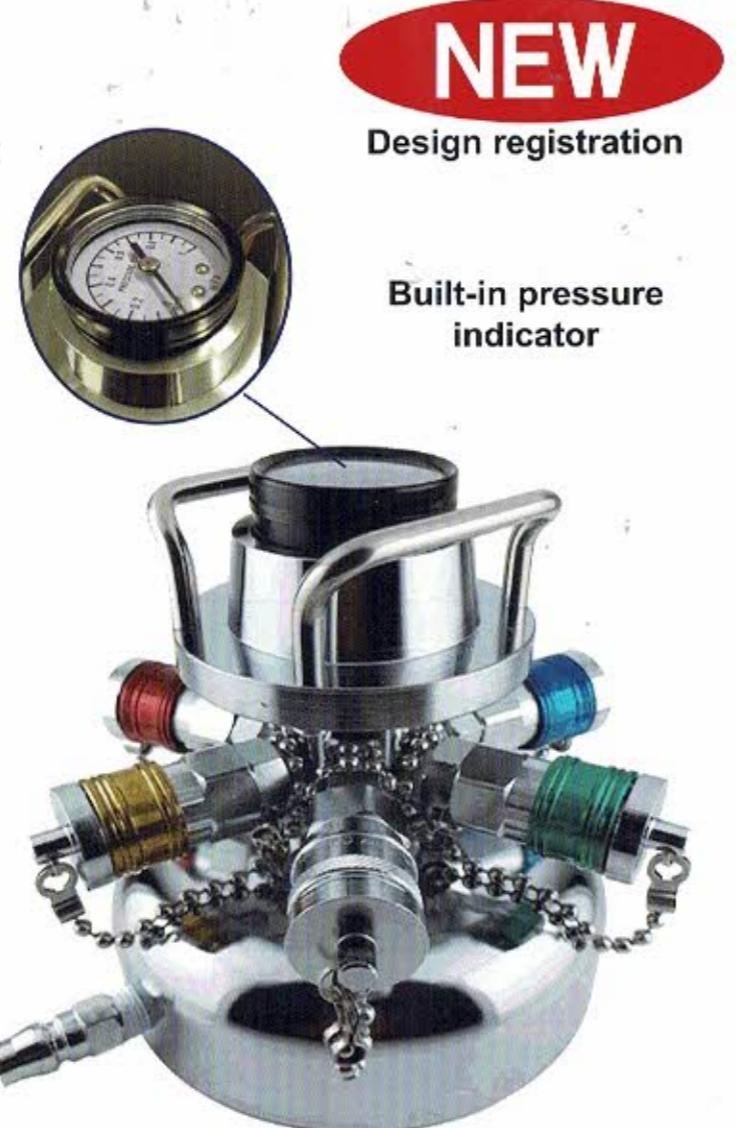
Specifications

Material	Coupling	Steel
	Pedestal	Brass
Maximum working pressure		1.5MPa
Pressure resistance		2.0MPa
Seal material		Nitrile rubber
Ambient temperature range		-20 ~ 80°C
No. of branches		6
Accessories		Dust-proof cap

~2.5MPa is available for high pressure.



Rotary type
(MR3S-SPLT)



BL Y20-SPLT



BHY20-SPLT
High pressure type

NEW

Design registration

Built-in pressure indicator

BL Y20-SPLT

Air duster gun

original

NEW

Sliding type nozzle to increase the flow

YD-12BN

Comfortable Trigger

Flow rate adjustment knob

Parts maintenance is possible.

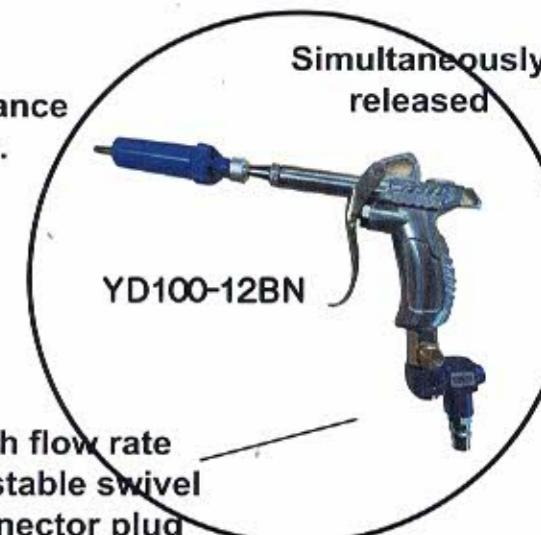
Leak-proof valve design

Trigger holding clip

Lightweight, increased air blow gun

- Increase the flow rate with just one slide!
- Lightweight due to the resin body!
- Built-in flow rate adjustment knob!
- Most comfortable Trigger !

PAT.3197968



Series model	Product	Material
YD-12BN	Resin Blow gun	POM
YD-06PN	Resin flow increase nozzle	POM
YD100-12BN	Aluminum Blow-gun	Aluminum

YD-12BN product specifications

Body material	POM Hard grade plastic
Maximum working pressure	1.0 MPa
Pressure resistance	1.5 MPa
Seal material	Nitrile rubber
Country of origin	Taiwan

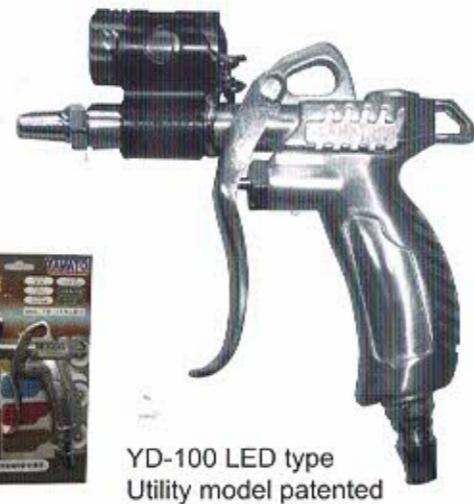
Photograph is an image, specifications etc. may be changed.

Air Duster Gun

original

The new design allows comfortable fit in hand. Most popular Air Duster with LED light for easy working in dark work areas.

- Sought ease of use by providing long nose and long trigger.
- Four color custom stickers are given to identify the work and piping lines.



YD-100 LED type
Utility model patented

Specifications and Standards

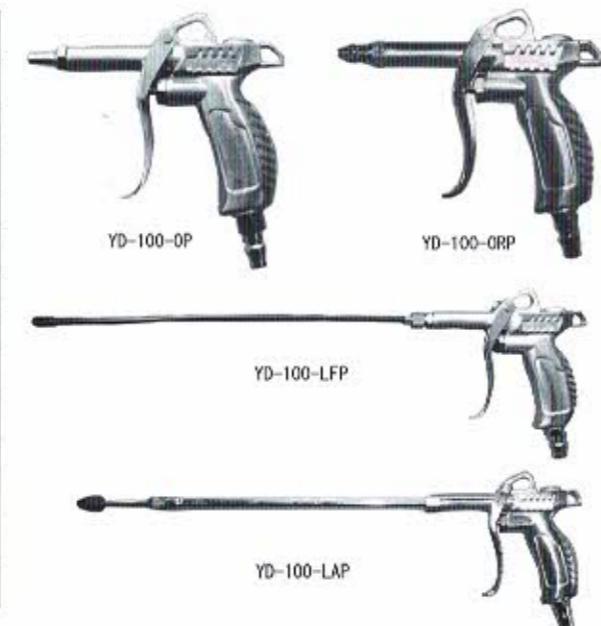
YD-100 type Duster Gun

Applicable fluid	Compressed air
Max. Operating pressure	1.0 MPa max. * is 2.5 MPa
Operating temperature range	-5°C ~ +60°C
Material	Aluminum, Steel, Resin
Air inlet port	Normal pressure plug type * is high pressure type
Nozzle mounting size	
Grip sticker	4 color (Pink, Yellow, Blue, Wood grain)

LED light (Only for model 'with light')

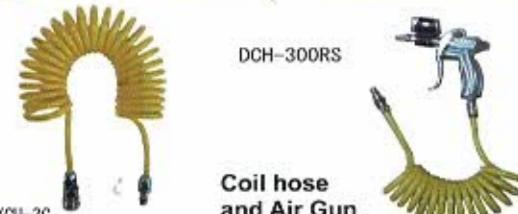
No. of LED lights	9 Nos.
Battery used	Button cell (CR2025) 2 Nos.
Continuous use	About 30 Hrs. (In case of new product)
Colour	Pink, Yellow, Blue, Silver

- Specifying the color of LED light is not possible.
- Attached battery is for testing purpose. It may drain faster than the usual battery.



Dimensions shown are standard values.

Connection with urethane hose



[Special features]

- Specially processed, high elasticity polyurethane tube in a spiral shape.
- It is hard to break, has excellent wear resistance and elasticity.
- Coupler specifications make it easy to attach and detach with the air tool.

Specifications

Fluid used	Compressed air
Allowable pressure	0.8 MPa
Operating temperature range	-5°C ~ +60°C
Hose material	Polyurethane resin
Hose diameter	Inner diameter 5 mm x outer diameter 8 mm
Metal fittings	Coupler Socket, Coupler Plug

Dimensions shown are standard values.

At Yamato, there are large number of Air Dusters apart from YD-100 type.

YD-10 type Duster Gun

Applicable fluid	Compressed air
Maximum working pressure	1.0 MPa
Ambient temperature range	0°C ~ +60°C
Air inlet port	Normal pressure plug type



YD-30 type Duster Gun

Applicable fluid	Compressed air
Maximum working pressure	2.5 MPa
Ambient temperature range	0°C ~ +60°C
Air inlet port	High pressure plug type



Model	Nozzle type	Nozzle tip dia. (mm)	Nozzle length (mm)	Weight (g)	Pack sales	Features
YD-10HC	Standard	2.0	23	220		
YD-10HC-1	100mm long nozzle	3.0	100	244		
YD-10HC-3	300mm long nozzle	2.0	300	257		
YD-10HC-5	500mm long nozzle	2.0	500	275		
YD-10HC-OR	Flow adjustment nozzle	2.0	29	228		Flow rate can be adjusted at the nozzle.
YD-10HC-1R	100mm flow adjustment nozzle	2.0	100	250	○	The flow rate can be adjusted with a long nozzle. Pack sale available.
YD-30HC	Flow adjustment nozzle	2.0	28	233	○	YD-10HC-OR type high pressure specification. Pack sale available.
YD-30HC-1R	100mm flow adjustment nozzle	2.0	100	254	○	
YD-ORC	Standard	2.0	23	245		The flow rate can be adjusted on the main body. Nipple specification is also available.
YD-10RC	100mm long nozzle	3.0	100	256		
YD-RBP	Pencil type rubber	2.0	60	61		Just bend the centre of the rubber body with one hand to eject.
D90-02	100mm long nozzle	3.0	100	187		Lightweight air duster. high pressure specification.

Dimensions shown are standard values.

YD-RBP type Pencil type Rubber Duster

Applicable fluid	Compressed air
Maximum working pressure	0.7 MPa
Ambient temperature range	0°C ~ +60°C
Air inlet port	Normal pressure plug type



available Duster Nozzles

Nozzle for Duster



Part No.	Nozzle type	Nozzle length	Material	Thread size
YD-ON	Standard nozzle	23mm	Brass	G 1/8
YD-1N	100mm long nozzle	100mm	Brass	G 1/8
YD-3N	300mm long nozzle	300mm	Brass	G 1/8
YD-5N	500mm long nozzle	500mm	Brass	G 1/8

Flow adjustment nozzle



Part No.	Nozzle type	Nozzle length	Material	Thread size
YD-DRN	Flow adjustment nozzle	28mm	Brass	G 1/8
YD-1RN	100mm flow adjustment nozzle	100mm	Brass	G 1/8

◆ Connection part material: Brass, Lining: Aluminium

Part No.	Nozzle type	Nozzle length	Material	Thread size
YD-FN3	Flexible nozzle	300mm	Special high density polyethylene	G 1/8

◆ Dust-proof cap material: Soft vinyl chloride

Part No.	Nozzle type	Nozzle length	Material	Thread size
YD-FLN4	Free long nozzle	190~400mm	Brass	G 1/8

◆ Flow becomes 2.7 times to that of standard nozzle

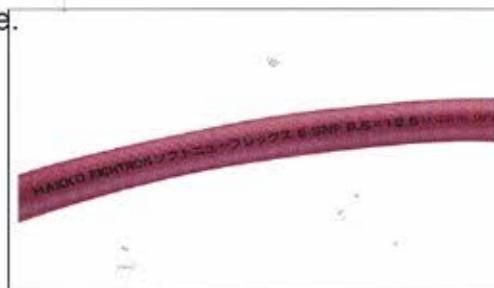
Part No.	Nozzle type	Nozzle length	Material	Thread size
YD-BN	Flow increasing nozzle	470mm	Aluminium	G 1/8

Air Hoses

Soft new flex

- Polyurethane hose with excellent flexibility and durability
- Smooth surface hardly be damaged by sliding the hose
- Flexibility and durability sufficiently maintained even in cold climate.

Model Number	I.D. x O.D. mm	Applicable pressure at 20°C at 60°C	Allowable bend radius at 20 deg.C mm	Applicable temperature range °C	Standard length m	Weight g/m
E-SNF-6.5-10M					10	
E-SNF-6.5-20M					20	
E-SNF-6.5-30M	6.5 x 10	0~1.5 0~0.6	40	-20~60	30	55
E-SNF-6.5-50M					50	
E-SNF-6.5-100M					100	
E-SNF-8.5-10M					10	
E-SNF-8.5-20M					20	
E-SNF-8.5-30M	8.5 x 12.5	0~1.5 0~0.6	55	-20~60	30	80
E-SNF-8.5-50M					50	
E-SNF-8.5-100M					100	



※ Company at their convenience, may change the color tone of hose without notice.

New Flex

- Air pressure resistant polyurethane hose, light weight for standard specification
- Flexibility and durability sufficiently maintained even in cold climate.

Model Number	I.D. x O.D.	Applicable pressure	Allowable bend radius at 20 deg.C	Applicable temperature range	Standard length	Weight
E-NF-6.5-10M					20	
E-NF-6.5-20M					30	
E-NF-6.5-30M	6.5 x 10	0~1.5 0~0.6	40	-20~60	50	60
E-NF-6.5-50M					100	
E-NF-6.5-100M					10	
E-NF-8.5-10M					20	
E-NF-8.5-20M					30	
E-NF-8.5-30M	8.5 x 12.5	0~1.5 0~0.6	55	-20~60	50	85
E-NF-8.5-50M					100	
E-NF-8.5-100M						



※ Company at their convenience, may change the color tone of hose without notice.

Hose Assembly

- ◆ Please inquire separately for the deliver

BLK-S type and soft new flex



Model number	Hose size I.D. x O.D.(mm)	Length m	Coupling
SNF6.5-10C-SA	6.5 x 10	10	BLK22SA-SN (Socket) BLY22-PN (Plug)
SNF8.5-10C-SA	8.5 x 12.5	10	BLK23SA-SN (Socket) BLY23-PN (Plug)

* Hose length, connection coupling sets are available other than the listed ones.

LR-2 type and new flex



Model number	Hose size I.D. x O.D.	Length	Coupling
LR2-NF85-3		3	
LR2-NF85-5		5	
LR2-NF85-10		10	
LR2-NF85-20		20	

* Hose length, connection coupling sets are available other than the listed ones.

Technoale

- Excellent workability with flexibility and hard to scratch by sliding the hose

Model Number	I.D. x O.D. mm	Allowable pressure MPA	Allowable bend radius at 20 deg.C	Applicable temperature range °C	Standard length m
			mm		
TA10 x 6.5-5M					5
TA10 x 6.5-10M					10
TA10 x 6.5-20M	6.5 x 10	1.5	150	-20~60	20
TA10 x 6.5-30M					30
TA10 x 6.5-100M					100
TA12.5 x 8.5-5M					5
TA12.5 x 8.5-10M					10
TA12.5 x 8.5-20M	8.5 x 12.5	1.5	150	-20~60	20
TA12.5 x 8.5-30M					30
TA12.5 x 8.5-100M					100



※ Company at their convenience, may change the color of hose without notice.

Hose Assembly

- ◆ Please inquire separately for the deliver



BLK22SA type and Technoale hose
(Model No.:TAC65 x 10B)

Model number	Hose size I.D. x O.D.	Length	Coupling	
TAC10 x 6.5-5M				5
TAC10 x 6.5-10M				10
TAC10 x 6.5-20M				20
TAC10 x 6.5-30M				30
TAC12.5 x 8.5-5M				5
TAC12.5 x 8.5-10M				10
TAC12.5 x 8.5-20M	8.5 x 12.5			20
TAC12.5 x 8.5-30M				30
TAC65 x 5B				5
TAC65 x 10B				10
TAC65 x 20B				20
TAC65 x 30B				30
TAC85 x 5B				5
TAC85 x 10B				10
TAC85 x 20B	8.5 x 12.5			20
TAC85 x 30B				30

* Hose length, connection coupling sets are available other than the listed ones.



100LED type set
(Model No.:DH-65R-100LED)



YD-0RC type set
(Model No.:DH-650R-01S)



Swivel coupling set
(Model No.:YHS-815SJP)
(Swivel coupling is sold in sets only)

Air Hoses

Suction hose FW type

- Suitable for suction and discharge
- Excellent workability with flexibility and light weight

Model No.	I.D. x O.D. mm	Applicable pressure MPa	Allowable bend radius mm	Applicable temperature range °C	Standard length m	Weight g/m
FW-25-5	25.5 x 30.9	0.5	200			1.65
FW-32-5	31.8 x 37.4	0.5	250	-20~60	5	2.1
FW-38-5	38.1 x 43.9	0.4	300			2.5
FW-50-5	50.5 x 57.5	0.4	400			4

* O.D. is reference value.



Suction hose CH type

- The inner rubber keeps pressure tightness and outer rubber has abrasion resistance as well as weathering resistance. The hose withstands external impact such as crush of foreign object
- Designed and manufactured with a sufficient safety factor and rigorously tested for pressure resistance. The reinforced knitting yarn uses strong synthetic fibers, and when internal pressure is applied, there is little expansion and contraction, and pressure resistance is excellent.
- Woven yarn made of synthetic fibers is used in between for the reinforcement to increase safety

Model No.	I.D. x O.D. mm	Applicable pressure MPa	Allowable bend radius B(S)	Ambient temperature range °C	Standard length m
GH8-3	7.9 x 15.0	1.5	2(S)		
GH9-3	9.5 x 16.5	1.5	2(S)		
GH12-3	12.7 x 21.0	1.0	2(S)	-20~60	3
GH15-3	15.9 x 25.0	1.0	1		
GH19-3	19.0 x 29.0	1.0	1		
GH8-5	7.9 x 15.0	1.5	2(S)		
GH9-5	9.5 x 16.5	1.5	2(S)		
GH12-5	12.7 x 21.0	1.0	2(S)	-20~60	5
GH15-5	15.9 x 25.0	1.0	1		
GH19-5	19.0 x 29.0	1.0	1		



Bridgestone Excel Color Hose

- Extensive lineup that can be widely used for different purposes.
- Lightweight, highly flexible, and easy to handle.
- Suitable for riveting, rock drilling, other compressed air, general water supply, and fluid identification piping.

Model No.	I.D. x O.D. mm	Applicable pressure MPa	Number of knitting B (S)	Applicable temperature range °C	Standard length m
6*2B-5-(Color)					5
6*2B-10-(Color)	6.3 x 13.4	1.5	105	-20~60	10
6*2B-20-(Color)					20

⚠ Liquid: Cannot use for Air (not suitable for constant or long-term pressurization) Oxygen, acetylene and fuel gas (LMN). The life may be shortened when used with clean air, dry air, etc.

◆ Coupling mounting is possible. Please contact us for the applicable size.



Colors: Red(R), Blue (B), Green (G), Yellow (Y), Black (BK).

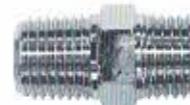
Air Parts

Nipple

Straight threads



aper threads



Straight threads

Product No.	Size	Total length	Hexagon
NI-S11	G1/8 x G1/8	18mm	12
NI-S22	G1/4 x G1/4	28mm	14
NI-S33	G3/8 x G3/8	30mm	17

Taper threads

Product No.	Size	Total length	Hexagon
NI-T11	R1/8 x R1/8	19mm	12
NI-T22	R1/4 x R1/4	31mm	14
NI-T33	R3/8 x R3/8	32mm	17

Different diameter nipple

Straight threads



aper threads



Straight threads

Product No.	Size	Total length	Hexagon
NI-S12	G1/8 x G1/4	24mm	14
NI-S23	G1/4 x G3/8	29mm	17
NI-S34	G3/8 x G1/2	32mm	21

Taper threads

Product No.	Size	Total length	Hexagon
NI-T12	R1/8 x R1/4	28mm	14
NI-T23	R1/4 x R3/8	32mm	17
NI-T34	R3/8 x R1/2	36mm	22

Socket

Straight threads



aper threads



Straight threads

Product No.	Size	Total length	Hexagon
SO-S11	G1/8 x G1/8	20mm	14
SO-S22	G1/4 x G1/4	25mm	17
SO-S33	G3/8 x G3/8	29mm	21

Taper threads

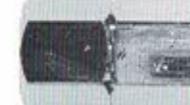
Product No.	Size	Total length	Hexagon
SO-T11	Rc1/8 x Rc1/8	22mm	14
SO-T22	Rc1/4 x Rc1/4	28mm	17
SO-T33	Rc3/8 x Rc3/8	32mm	21

Different diameter socket

Straight threads



aper threads



Straight threads

Product No.	Size	Total length	Hexagon
SO-S12	G1/8 x G1/4	22mm	17
SO-S23	G1/4 x G3/8	27mm	21
SO-S34	G3/8 x G1/2	30mm	26

Taper threads

Product No.	Size	Total length	Hexagon
SO-T12	Rc1/8 x Rc1/4	25mm	17
SO-T23	Rc1/4 x Rc3/8	32mm	21
SO-T34	Rc3/8 x Rc1/2	36mm	26

Nipple Socket

Straight threads



aper threads



Straight threads

Product No.	Size	Total length	Hexagon
NS-S11	G1/8 x G1/8	18mm	14
NS-S22	G1/4 x G1/4	24mm	17
NS-S33	G3/8 x G3/8	28mm	

Air Parts

Different diameter Nipple Socket

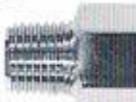
Straight threads



◆ Material: Brass (Nickel plating)

Product No	Size	Total length	Hexagon
NS-S12	G1/8 × G1/4	22mm	16
NS-S21	G1/4 × G1/8	23mm	14
NS-S23	G1/4 × G3/8	27mm	21
NS-S32	G3/8 × G1/4	27mm	17
NS-S34	G3/8 × G1/2	30mm	26
NS-S43	G1/2 × G3/8	29mm	21

Taper threads



◆ Material: Brass (Nickel plating)

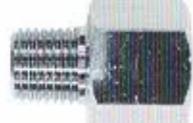
Product No	Size	Total length	Hexagon
NS-T12	R1/8 × Rc1/4	24mm	17
NS-T21	R1/4 × Rc1/8	22mm	14
NS-T23	R1/4 × Rc3/8	29mm	21
NS-T32	R3/8 × Rc1/4	28mm	17
NS-T34	R3/8 × Rc1/2	31mm	26
NS-T43	R1/2 × Rc3/8	29mm	22

Single Taper Nipple, Nipple Socket

Single Taper Nipple



Single Taper Nipple Socket



◆ Material: Brass (Nickel plating)
◆ S-11 no plating

Single Taper Nipple

Product No	Size	Total length	Hexagon
ST-11	G1/8 × R1/8	18mm	12
ST-22	G1/4 × R1/4	28mm	14
ST-33	G3/8 × R3/8	30mm	17

Single Taper Nipple Socket

Product No	Size	Total length	Hexagon
TN-S2T2	G1/4 × Rc1/4	26mm	17
TN-T2S2	R1/4 × G1/4	25mm	17

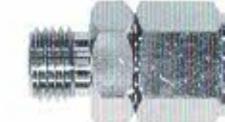
Urethane hose joint

Outer thread type

For Ø6.5xØ10



For Ø8.5xØ12.5



Inner thread type

For Ø6.5xØ10

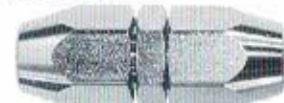


For Ø8.5xØ12.5



Intermediate type

For Ø6.5xØ10



For Ø8.5xØ12.5



◆ Material: Brass (Nickel plating)

Hose Nut



◆ Material: Brass (Nickel plating)

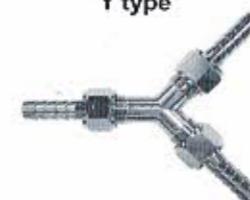
Air Parts

Hose joint

I type



Y type



3 pronged



2 pronged



I type

Product No	Size	Total length
IHJ-7	7φ × 7φ	40mm
IHJ-9	9φ × 9φ	58mm
IHJ-11	11φ × 11φ	66mm

Y type

Product No	Size	Total length
YHJ-7	7φ × 7φ × 7φ	94mm
YHJ-9	9φ × 9φ × 9φ	94mm
YHJ-11	11φ × 11φ × 11φ	109mm

3 pronged

Product No	Size	Total length
THJ-6	6φ × 6φ × 6φ	43mm
THJ-7	7φ × 7φ × 7φ	55mm
THJ-9	9φ × 9φ × 9φ	58mm
THJ-11	11φ × 11φ × 11φ	60mm

2 pronged

Product No	Size	Total length
WHJ-7	7φ × 7φ × G1/4	76mm
WHJ-9	9φ × 9φ × G1/4	76mm
WHJ-11	11φ × 11φ × G3/8	85mm

Nipple (Hose joint)

Single-ended nipple Straight threads



Single-ended nipple Taper threads



Single-ended nipple Straight threads

Product No	Size	Total length	Hexagon
KN-S2-7	7φ × G1/4	35mm	14
KN-S2-9	9φ × G1/4	40mm	14
KN-S3-11	11φ × G3/8	43mm	17

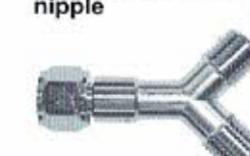
Single-ended nipple Taper threads

Product No	Size	Total length	Hexagon
KN-T1-6	6φ × R1/8	36mm	12
KN-T2-9	9φ × R1/4	40mm	14
KN-T3-11	11φ × R3/8	44mm	17

Y type intermediate nipple



2 pronged intermediate nipple



◆ Material: Brass (Nickel plating)

Air chuck (For filling air in he tires)

For W tires



Model 55K

Applicable model	Truck, W tires, Passenger cars, Motorbikes
Maximum applicable pressure	0.7MPa
Air connection	Plug type
Material	Brass, Nickel plating

For cycles



Model 60K

Applicable model	Motorbikes, Cycles
Maximum applicable pressure	0.7MPa
Air connection	Plug type
Material	Brass, Nickel plating

For car, cycle tires



Model 50K

Applicable model	Truck, Passenger cars, Motorbikes, Cycles

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Creative YAMATO

The one-push coupling with sleeve guard specifications has been redesigned with an unprecedented design!

- Sleeve guard specifications prevent detachment due to "external impact".
- One-push connection just by inserting the plug.
- Weight has been reduced by using aluminum as the main body material.
- Piping can be color-coded for each work line with three color variations.

Specifications

Product name	BDK22	BDK23
Nominal diameter	1/4"	3/8"
Body material	Aluminum (Almite), Steel (Chrome plating), Brass	
Max. operating pressure Kgf/cm ² (MPa)	1.0 (1.0)	
Design pressure Kgf/cm ² (MPa)	0.7 (0.7)	
Seal material	Nitrile rubber (NBR)	
Operating temperature range	-20 °C ~ +80 °C	
Coupling	One push type	

Product model and mounting sizes

SH type (For hose connection)	SM type (Male threads)		SF type (Female threads)	SN type (Nut type)			
Model	Size	Model	Size	Model	Size	Model	Size
BDK22-SH	1/4" Hose	BDK22-SM	R1/4" Male threads	BDK22-SF	Rc1/4" Female threads	BDK22-SN	ø6.5×ø10 urethane hose
BDK23-SH	3/8" Hose	BDK23-SM	R3/8" Male threads	BDK23-SF	Rc3/8" Female threads	BDK23-SN	ø8.5×ø12.5 urethane hose



★ All types are available in here metallic colours: Gold (GO), Red and Blue (BL).

Rich in individuality. ...
Yamato will continue to
create products that will
please our customers

DESIGN COUPLINGS

original

Design registered.



For one push type air piping

Proposal for various package processing

YAMATO
ENGINEERING



We also offer package processing for stores.

Individual packaging
proposal



Wrap winding
processing proposal



Handbag processing
proposal



Clear case
processing proposal



Desktop furniture
proposal



Blister processing
proposal



Header bagging
processing proposal



Request for the use of couplings

- 1 Avoid unplugging the coupling under pressure. It may pose a danger to your work.
- 2 It may be difficult to connect if there is residual pressure in the coupling. Avoid hitting the tip of the valve with a hammer etc.
- 3 It may cause a malfunction if foreign matter gets into the fluid used. Be sure to use the fluid through a filter.
- 4 Incorrect selection of rubber material may cause leakage. Select the rubber material after confirming the compatibility with the type of fluid and temperature.
- 5 Be careful, as the dust and scratches on the sealing surface may cause leakage.
- 6 Excess tightening may cause damage when installing the coupling. Tighten with an appropriate torque. Also, be sure to fix it with a hose band when installing the hose.
- 7 Avoid using either of the socket or plug alone at the time of dynamic pressure.
- 8 Avoid using with tools or equipment which exert excessive vibrations or impact. Also, avoid using it in an excessive bending, pulling or rotation state.
- 9 Apply grease to the O-ring on a regular basis.

Ring material and compatible fluid

Material	Nitrile rubber	Neoprene	Viton	Silicon rubber	Ethylene propylene
Symbol	N B R	C R	F K M	Q	E P D M
Applicable temperature range	-20~+80°C	-20~+80°C	-20~+180°C	-20~+180°C	-40~+150°C
Compatible fluid ammonia		●	●		●
Sulphurous acid gas	●	●	●		●
Carbon dioxide gas	●		●		●
Oxygen	●	●	●		●
Propane	●		●		
Freon 12		●	●		●
Freon 22		●			
Gasoline	●				
Light oil	●				
Spindle oil	●				
Phosphate ester			●		●
Chlorine			●		
Sulphuric acid			●		
Beverage				●	
Water vapour			△		●
Tricrane (?)			●		

* Performance standards and contractual management

The numerical values of the external dimensions shown in this catalogue are average values for use as technical reference material.

* Similar product compatibility

Our coupling product group considers compatibility with other companies' products, however, please contact us.

Caution

Even within the working pressure range, a hammer phenomenon may occur depending on the usage conditions, and as a result, a force higher than the working pressure force gets applied to the coupling, causing deformation of plug etc. We recommend regular replacement.

Company Profile

Company name : Yamato Engineering Co., Ltd.

Representative : Noriyoshi Kishimoto,
President and CEO

Location : 3-1-6 Nunoichicho, Higashi-Osaka City,
Osaka, Japan 〒579-8004

TEL: 072-985-0154 / FAX: 072-985-0432

HP: <http://www.yamato.ecweb.jp>

Established: April 1972

Business : Development,
manufacture and sale of rapid fluid couplings

Bank : Osaka City Shinkin Bank Hiraoka Branch

San ju San Bank Higashi Osaka Branch

Eiwa Shinkin Bank Hanazono Branch

History

April 1972: Founded in Higashi-Osaka City, Osaka Prefecture

June 1994: Started mass production of air couplings

January 1995: Launched as an original brand

May 2004: Opened second factory

February 2014: Opened a new factory. Headquarters function relocated

October 2015: Built our own factory in Higashi Osaka.

Integrated relocation of all factories

January 2016: Change of President and CEO Noriyoshi Kishimoto,
assumed office.

Sept 2021: Opening of Nabari Factory

We have a track record of about 50 years since we started manufacturing couplings.

It is used by many customers such as general mechanic routes, automobile maintenance routes, food routes, and DIY equipment related products. With the motto "Good products at low prices", all employees will continue to work ahead.