

# Button Push Safety Vent Coupling (patented)

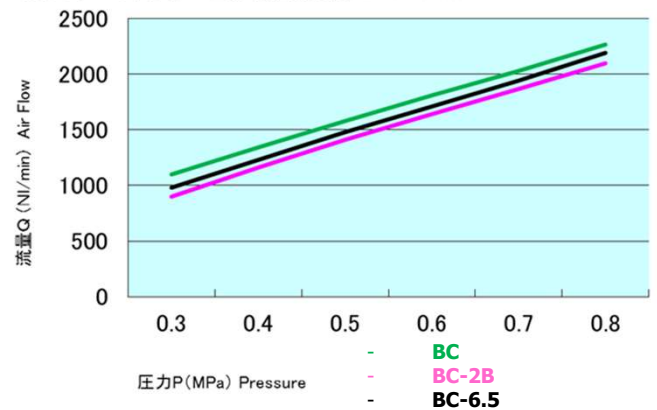
Battery-powered and pneumatic tools are widely used on assembly lines, with battery-powered tools gaining popularity in recent years. Their cordless and hoseless design offers unmatched versatility, making them ideal for outdoor work or confined spaces. However, when handling heavy loads, their torque may fall short of pneumatic models, and users might notice reduced power during continuous use. Additionally, the built-in battery adds slight weight compared to pneumatic alternatives. Pneumatic tools, by contrast, deliver high torque, excelling in heavy-duty tasks like tightening or loosening robust bolts and nuts. In factory settings, they support extended operation without battery concerns. With no battery in the main unit, they are lighter than battery-powered tools, reducing fatigue during prolonged use. Their simple, durable design also ensures reliability in harsh environments. However, mobility is limited due to the need for an air compressor and hoses, and regular maintenance, such as lubrication, is required—though their longevity makes them a dependable choice.

DAISEN BC Series, designed for professional use, combines a lightweight body with practical features: silicon-free construction, automatic connection, and a one-handed push-button system for safe, effortless attachment and detachment, including automatic purging and locking. Encased entirely in resin, it's built to protect both the tool and the workpiece on-site.

Media	Compressed Air
Working Pressure	1 Mpa
Working Temperature	-5 – 60 degree C
Body Material	Aluminum, Steel and others
Metal in use	Balls & Spring Stainless steel 304
Sealing in use	Standard NBR
Lubricant in use	White Vaseline



ボタン式パージソケット 圧力-流量特性図 / Air Flow Chart



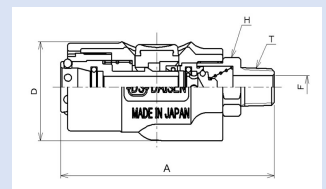
## Japanese Standard Plug Interchangeable socket

### Male Thread Socket



Model	Thread	A	C	D	F	H	weight(g)
BC-2M	R1/4	83	13	35	8	19	154
BC-3M	R3/8	83	13	35	10	19	158
BC-4M	R1/2	85	14	35	10	23	172

Unit(mm)

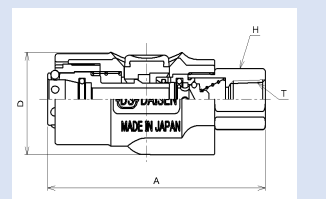


### Female Thread Socket



Model	Thread	A	B	D	H	weight(g)
BC-2F	Rc1/4	82	11.5	35	19	164
BC-3F	Rc3/8	83	12	35	21	170
BC-4F	Rc1/2	84	12.7	35	26	182

Unit(mm)

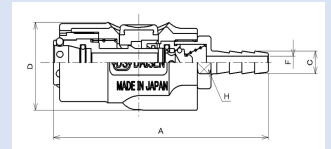


## Japanese Standard Plug Interchangeable socket

### Barb (Hose) Connection Socket



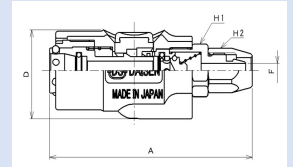
Model	Hose Size	A	C	D	F	H	Unit(mm)
							weight(g)
BC-2B	1/4"	94	9	35	5	19	154
BC-3B	3/8"	96	10	35	7.5	19	156
BC-4B	1/2"	99	15	35	9	19	168



### Nut Connection (for PUR hose) Socket



Model	Hose Size	A	D	F	H1	H2	Unit(mm)
							weight(g)
BC-65	6.5 × 10.0	89	35	5.7	16	19	166
BC-70	7.0 × 10.5	89	35	5.7	16	19	166
BC-80	8.0 × 12.0	91.5	35	6.5	19	19	178
BC-85	8.5 × 12.5	91.5	35	6.5	19	19	178
BC-110	11.0 × 16.0	95.5	35	9.5	23	23	208

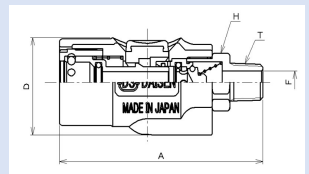


## US Industrial Standard 3/8 Plug Interchangeable socket with NPT thread

### Male Thread Socket



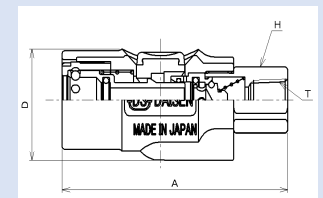
Model	Thread	A	C	D	F	H	Unit(mm)
							weight(g)
B38-2M	NPT1/4	80	13	35	8	19	144
B38-3M	NPT3/8	80	13	35	10	19	148
B38-4M	NPT1/2	82	14	35	10	23	162



### Female Thread Socket



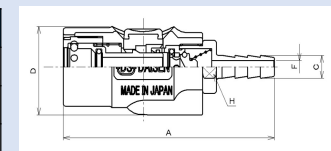
Model	Thread	A	B	D	H	Unit(mm)
						weight(g)
B38-2F	NPT1/4	79	11.5	35	19	154
B38-3F	NPT3/8	80	12	35	21	160
B38-4F	NPT1/2	81	12.7	35	26	172



### Barb (Hose) Connection Socket



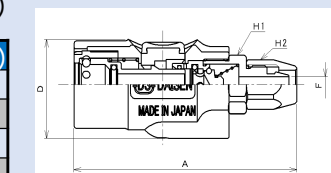
Model	Hose Size	A	C	D	F	H	Unit(mm)
							weight(g)
B38-2B	1/4"	91	9	35	5	19	144
B38-3B	3/8"	93	10	35	7.5	19	146
B38-4B	1/2"	96	15	35	9	19	158



### Nut Connection (for PUR hose) Socket



Model	Hose Size	A	D	F	H1	H2	Unit(mm)
							weight(g)
B38-65	6.5 × 10.0	86	35	5.7	19	16	158
B38-80	8.0 × 12.0	87	35	6.5	19	19	168
B38-85	8.5 × 12.5	87	35	6.5	19	19	168
B38-110	11.0 × 16.0	92	35	9.5	23	23	200

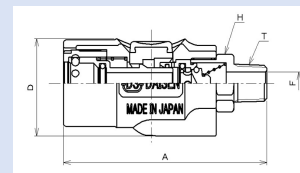


# European Standard Plug Interchangeable socket

## Male Thread Socket



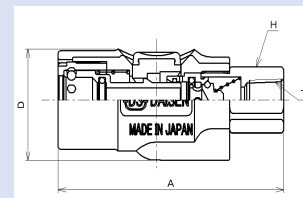
Unit(mm)							
Model	Thread	A	C	D	F	H	weight(g)
B38-2M	NPT1/4	80	13	35	8	19	144
B38-3M	NPT3/8	80	13	35	10	19	148
B38-4M	NPT1/2	82	14	35	10	23	162



## Female Thread Socket



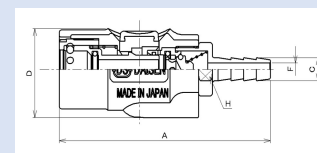
Unit(mm)							
Model	Thread	A	B	D	H	weight(g)	
B38-2F	NPT1/4	79	11.5	35	19	154	
B38-3F	NPT3/8	80	12	35	21	160	
B38-4F	NPT1/2	81	12.7	35	26	172	



## Barb (Hose) Connection Socket



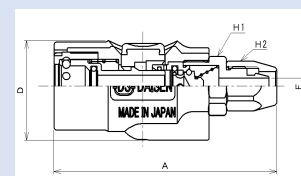
Unit(mm)							
Model	Hose Size	A	C	D	F	H	weight(g)
B38-2B	1/4"	91	9	35	5	19	144
B38-3B	3/8"	93	10	35	7.5	19	146
B38-4B	1/2"	96	15	35	9	19	158



## Nut Connection (for PUR hose) Socket



Unit(mm)							
Model	Hose Size	A	D	F	H1	H2	weight(g)
B38-65	6.5 × 10.0	86	35	5.7	19	16	158
B38-80	8.0 × 12.0	87	35	6.5	19	19	168
B38-85	8.5 × 12.5	87	35	6.5	19	19	168
B38-110	11.0 × 16.0	92	35	9.5	23	23	200



# Button Push Safety Vent Coupling - Aluminum -

## Japanese Standard Plug Interchangeable socket



DAISEN BCA Series, designed for professional use, combines a lightweight body with practical features: silicon-free construction, automatic connection, and a one-handed push-button system for safe, effortless attachment and detachment, including automatic purging and locking. BCA is without resin jacket type.

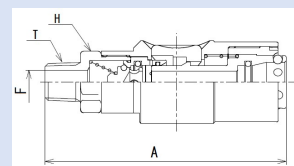
Media	Compressed Air
Working Pressure	1 Mpa
Working Temperature	-5 – 60 degree C
Body Material	Aluminum, Steel and others
Metal in use	Balls & Spring Stainless steel 304
Sealing in use	Standard NBR
Lubricant in use	White Vaseline

### Male Thread Socket

Unit(mm)



Model	Thread	A	D	F (dia)	H	weight(g)
BCA-2M	R 1/4	83	8	19	145	158
BCA-3M	R 3/8	83	10	19	150	168
BCA-4M	R 1/2	85	13	23	167	168

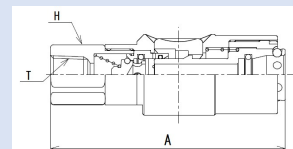


### Female Thread Socket

Unit(mm)



Model	Thread	A	H	weight(g)
BCA-2M	R 1/4	83	145	158
BCA-3M	R 3/8	83	150	168
BCA-4M	R 1/2	85	167	168

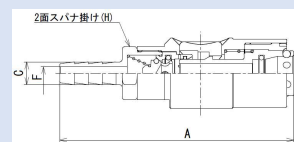


### Barb (Hose) Connection Socket

Unit(mm)



Model	Hose Size	A	c(dia)	F (dia)	H	weight(g)
BCA-2B	1/4"	94	9	5	19	145
BCA-3B	3/8"	96	11.3	7.5	19	147
BCA-4B	1/2"	99	15	9	19	159



### Nut Connection (for PUR hose) Socket

Unit(mm)



Model	Hose Size	A	F(dia)	H1	H2	weight(g)
BCA-65	6.5 × 10.0	89	5.7	16	19	157
BCA-70	7.0 × 10.5	89	5.7	16	19	157
BCA-80	8.0 × 12.0	91.5	6.5	19	19	169
BCA-85	8.5 × 12.5	91.5	6.5	19	19	169
BCA-110	11.0 × 16.0	95.5	9.5	23	23	199

