COUPLERS

Uses
- Used to connect pipe for compressed air.
- May be used widely, e.g., for connecting the pneumatic tool hose and air piping in the factory.
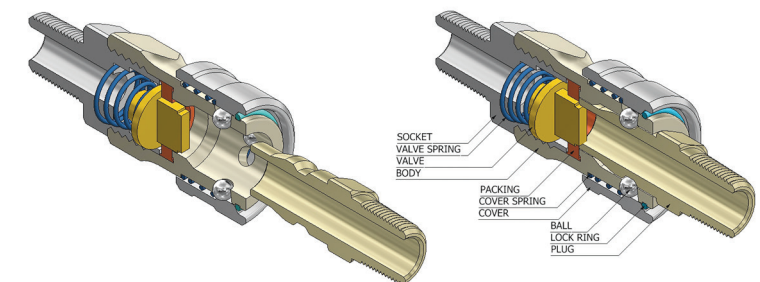
Features
- One-way on-off coupler with an automatic on-off valve built into the hole.
- Of various materials and shapes, the coupler can be selected according to purpose and environment.
- Easy to use with plug and socket smoothly fastened and disconnected.
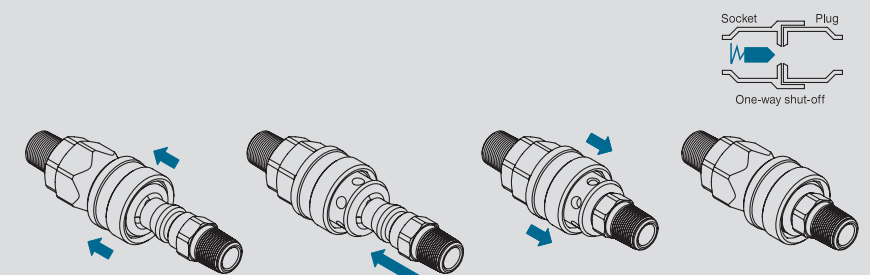
Specifications

Applicable fluid	compressed air (Not applicable to gases or liquids)
Material	Steel, brass
Operating pressure	0~150PSI / 0~9.9kgf/cm² (0~990kPa).
Operating temperature range	32~140°F / 0~60℃

Structural drawing

SOCKET
VALVE SPRING
VALVE
BODY
PACKING
COVER SPRING
COVER
BALL
LOCK RING
PLUG

Example of uses

Socket   Plug

One-way shut-off

Product Code System

OSH 20

H : KOREA COUPLER
O : ONE TOUCH COUPLER
B : BRASS COUPLER

COUPLING FORM

CODE	TYPE
S	Socket
P	Plug

SCREW FORM

CODE	TYPE
H	Hose Stem
M	Male Thread
F	Female Thread
N	Nut

THREAD SIZE

SIZE	H	M	F	N
20	9	R¼	Rc ¼	-
30	11	R⅜	Rc ⅜	-
40	15	R½	Rc ½	-
400	15	R½	Rc ½	-
600	21	R¾	Rc ¾	-
800	27	R1	Rc 1	-
08	-	-	-	8×5
10	-	-	-	10×6.5
12	-	-	-	12×8

CAUTIONS
- If air leaks due to wear or aging of the packing, replace the main body with a new one.
- Note that foreign substances and dust on the packing surface may cause water leakage.
- Wrongly selected packing material may cause leakage. After considering the suitability of rubber material for fluid type and temperature, select product to use.
- Be careful that fastening the coupler with excessive force may cause damage to the device or product.
- Do not apply where there is metal powder, sand, and dust. They may be a cause for defective coupler and equipment breakdown.

WARNINGS
- Avoid attaching or detaching the coupler under pressurized conditions. Please note that it may cause damage to the device and human life.
- Be aware that artificially applied curvature, tension, and impact may cause damage.
- Do not rotate the coupler in order to use as a replacement for the rotary or swivel joints.
- Avoid using a coupler when big vibration or impact applied by tools or devices could cause shock.
- May be difficult to fasten a coupler under residual pressure, so completely release the residual pressure before fastening.
- Do not arbitrarily disassemble the coupler.

Steel Coupler

SH

MODEL(T)
Hose Stem
SH 20
SH 30
SH 40
SH 400
SH 600
SH 800

SM

MODEL(T)
Thread **R**
SM 20
SM 30
SM 40
SM 400
SM 600
SM 800

SF

MODEL(T)
Thread **Rc**
SF 20
SF 30
SF 40
SF 400
SF 600
SF 800

SN

MODEL(T)
Hose Nut(ΦT)
SN 08
SN 10
SN 12

PH

MODEL(T)
Hose Stem
PH 20
PH 30
PH 40
PH 400
PH 600
PH 800

PM

MODEL(T)
Thread **R**
PM 20
PM 30
PM 40
PM 400
PM 600
PM 800

PF

MODEL(T)
Thread **Rc**
PF 20
PF 30
PF 40
PF 400
PF 600
PF 800

PN

MODEL(T)
Hose Nut(ΦT)
PN 08
PN 10
PN 12

Steel One - Touch Coupler

OSH

MODEL(T)
Hose Stem
OSH 20
OSH 30
OSH 40

OSM

MODEL(T)
Thread **R**
OSM 20
OSM 30
OSM 40

OSF

MODEL(T)
Thread **Rc**
OSF 20
OSF 30
OSF 40

OSN

MODEL(T)
Hose Nut(ΦT)
OSN 08
OSN 10
OSN 12

Coupler BSBM

BSH

MODEL(T)
Hose Stem
BSH 20
BSH 30
BSH 40

BSM

MODEL(T)
Thread **R**
BSM 20
BSM 30
BSM 40

BSF

MODEL(T)
Thread **Rc**
BSF 20
BSF 30
BSF 40

BPH

MODEL(T)
Hose Stem
BPH 20
BPH 30
BPH 40

BPM

MODEL(T)
Thread **R**
BPM 20
BPM 30
BPM 40

BPF

MODEL(T)
Thread **Rc**
BPF 20
BPF 30
BPF 40

Mold Coupler BSBM

KSH

MODEL(T)
Hose Stem
KSH 20
KSH 30A
KSH 30

KSM

MODEL(T)
Thread **R**
KSM 10
KSM 20
KSM 30

KSF

MODEL(T)
Thread **Rc**
KSF 10
KSF 20
KSF 30

KPH

MODEL(T)
Hose Stem
KPH 20
KPH 30A
KPH 30

KPM

MODEL(T)
Thread **R**
KPM 10
KPM 20
KPM 30

KPF

MODEL(T)
Thread **Rc**
KPF 10
KPF 20
KPF 30

Couplers