



## [Features]

• Allows adjustment of the spray direction over a range of 50 degrees as desired.

## **Metal Ball Joints**

- Accurate nozzle alignment is possible after connecting to a pipe.
- Available from 1/8" to 3/4" in pipe connection size.
- Stainless steel UT series is designed to withstand high pressure up to 15 MPa.

## **Plastic Ball Joints**

- Spray direction is adjustable while spraying at a pressure up to 0.3
- No O-ring. Easy installation by hand without tools.
- Lightweight, only half the weight of the metal ball joint.
- Low price due to injection-molded construction.

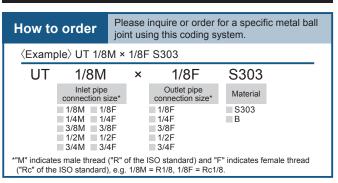
## UT series (metal) **Metal UT series** • S303 or B (brass)

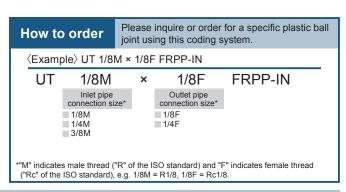
Material	Material     Optional material: S316 or others								
Male thread inlet Female thread inlet									
Inlet pipe conn. size  H2  H2  H3  Outlet pipe conn. size  Outlet pipe conn. size  Outlet pipe conn. size  H1, H2 = width across flats									
Ball joint code		Outlet pipe	Dimensions	(mm)	Mas	ss (g)			

Ball joint code		Outlet pipe conn. size	Dimensions (mm)			Mass (g)	
(Inlet x Outlet)			L	H1	H2	S303	В
UT 1/8M × 1/8F	R1/8	Rc1/8	32.5	22	21	56	60
UT 1/4M × 1/8F	R1/4	Rc1/8	36.0	22	21	60	<del>-65</del>
UT 1/4M × 1/4F	R1/4	Rc1/4	39.5	29	24	100	110
UT 3/8M × 1/4F	R3/8	Rc1/4	40.0	29	24	110	115
UT $3/8M \times 3/8F$	R3/8	Rc3/8	47.5	35	30	190	205
UT 1/2M × 1/2F	R1/2	Rc1/2	54.5	41	41	325	<b>B</b> 50
UT 3/4M × 3/4F	R3/4	Rc3/4	61.5	50	46	490	525
UT 1/8F × 1/8F	Rc1/8	Rc1/8	28.5	22	21	63	69
UT 1/4F × 1/8F	Rc1/4	Rc1/8	28.5	22	21	58	63
UT 1/4F × 1/4F	Rc1/4	Rc1/4	33.5	29	24	110	120
UT 3/8F × 1/4F	Rc3/8	Rc1/4	33.5	29	24	100	1 0
UT 3/8F × 3/8F	Rc3/8	Rc3/8	44.5	35	30	220	235
UT 1/2F × 1/2F	Rc1/2	Rc1/2	48.5	41	41	375	405
UT 3/4F × 3/4F	Rc3/4	Rc3/4	55.5	50	46	560	600

	UT series (plastic)						
	Plastic UT series						
Material	Adaptor and Cap: FRPP     Ball: FRPP + PP + EPDM						
	Inlet pipe conn. size  Outlet pipe conn. size  1 Ball 2 Cap 3 Adaptor  H = width across flats						

Inlet pipe	Outlet pipe	Dim	Mass		
conn. size	conn. size	L	Н	øD	(g)
R1/8	Rc1/8	38.0	21	32	12
R1/4	Rc1/8	40.0	21	32	13
R1/4	Rc1/4	40.0	21	32	12
R3/8	Rc1/8	41.0	21	32	13
R3/8	Rc1/4	41.0	21	32	12
	R1/8 R1/4 R1/4 R3/8	conn. size conn. size  R1/8 Rc1/8 R1/4 Rc1/8 R1/4 Rc1/4 R3/8 Rc1/8	Conn. size conn. size conn. size conn. size conn. size L  R1/8 Rc1/8 38.0  R1/4 Rc1/8 40.0  R1/4 Rc1/4 40.0  R3/8 Rc1/8 41.0	Conn. size conn. size conn. size L H  R1/8 Rc1/8 38.0 21  R1/4 Rc1/8 40.0 21  R1/4 Rc1/4 40.0 21  R3/8 Rc1/8 41.0 21	R1/8   Rc1/8   38.0   21   32   32   32   34   34   35   36   37   37   37   37   37   37   37







Use UT-S303 at pressure under 15 MPa, UT-B (brass) under 4 MPa. Plastic UT Use UT-FRPP at pressure under 1 MPa (at room temperature).

[Note] 1. Do not use under conditions where water hammer or sudden change of water pressure occurs.

2. For use with KB and KKBP series nozzles, different type of UT Ball Joints are required. Contact us for details.