



(Photo is UT Ball Joint with a spray nozzle)

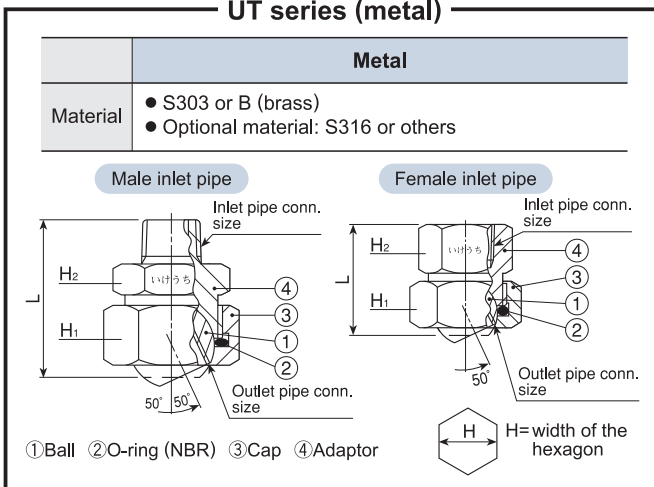
### [Metal Ball Joints]

- Accurate nozzle alignment is possible after connected to pipe.
- Allows adjustment of the spray direction over a range of 50 degrees as desired.
- Available from 1/8" to 3/4" in pipe connection size.

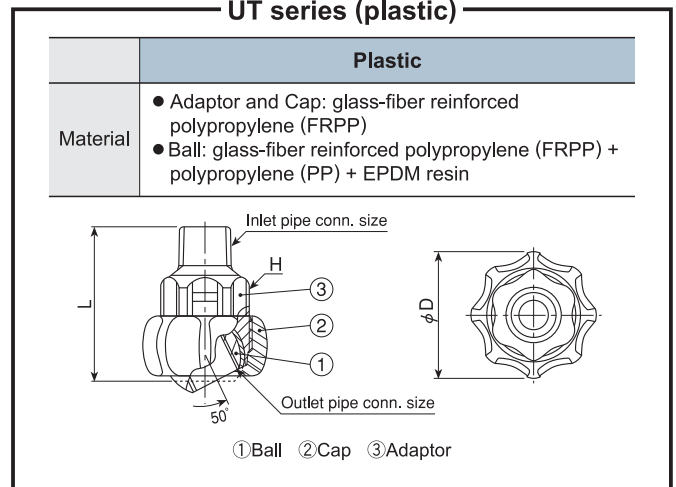
### [Plastic Ball Joints]

- Adjust spray direction while spraying (up to 0.3 MPa).
- No O-ring! Easy installation by hand.
- Light weight, only half of metal joint.
- Low price due to injection-molded construction.

### UT series (metal)



### UT series (plastic)



Ball joint code (Inlet x Outlet)	Inlet pipe conn. size	Outlet pipe conn. size	Dimensions (mm)			Mass (g)	
			L	H <sub>1</sub>	H <sub>2</sub>	S303	B
UT 1/8M x 1/8F ☆	1/8M (PT)	1/8F (PT)	32.5	22	21	56	60
UT 1/4M x 1/8F ☆	1/4M (PT)	1/8F (PT)	36.0	22	21	60	65
UT 1/4M x 1/4F ☆	1/4M (PT)	1/4F (PT)	39.5	29	24	110	110
UT 3/8M x 1/4F ☆	3/8M (PT)	1/4F (PT)	40.0	29	24	105	115
UT 3/8M x 3/8F ☆	3/8M (PT)	3/8F (PT)	47.5	35	30	190	205
UT 1/2M x 1/2F ☆	1/2M (PT)	1/2F (PT)	54.5	41	41	325	350
UT 3/4M x 3/4F ☆	3/4M (PT)	3/4F (PT)	61.5	50	46	490	525
UT 1/8FX 1/8F ☆	1/8F (PT)	1/8F (PT)	28.5	22	21	63	69
UT 1/4FX 1/8F ☆	1/4F (PT)	1/8F (PT)	28.5	22	21	58	63
UT 1/4FX 1/4F ☆	1/4F (PT)	1/4F (PT)	33.5	29	24	110	120
UT 3/8FX 1/4F ☆	3/8F (PT)	1/4F (PT)	33.5	29	24	100	110
UT 3/8FX 3/8F ☆	3/8F (PT)	3/8F (PT)	44.5	35	30	220	235
UT 1/2FX 1/2F ☆	1/2F (PT)	1/2F (PT)	48.5	41	41	375	405
UT 3/4FX 3/4F ☆	3/4F (PT)	3/4F (PT)	55.5	50	46	560	600

☆ = material Indicate whether you desire S303 or B (brass).

Ball joint code (Inlet x Outlet)	Inlet pipe conn. size	Outlet pipe conn. size	Dimensions (mm)			Mass (g)
			L	H	φD	
UT 1/8M x 1/8F	1/8M (PT)	1/8F (PT)	38.0	21	32	15
UT 1/4M x 1/8F	1/4M (PT)	1/8F (PT)	40.0	21	32	16
UT 1/4M x 1/4F	1/4M (PT)	1/4F (PT)	40.0	21	32	15
UT 3/8M x 1/8F	3/8M (PT)	1/8F (PT)	41.0	21	32	16
UT 3/8M x 1/4F	3/8M (PT)	1/4F (PT)	41.0	21	32	15

### How to order

Please inquire or order for a specific joint using this coding system.

(Example) ...UT 1/8M x 1/8F S303

UT	1/8M	x	1/8F	S303
	Inlet Pipe Conn. Size		Outlet Pipe Conn. Size	Material
	1/8M		1/8F	S303
	1/4M		1/4F	B
	3/8M		3/8F	
	1/2M		1/2F	
	3/4M		3/4F	

### How to order

Please inquire or order for a specific joint using this coding system.

(Example) ...UT 1/8M x 1/8F FRPP-IN

UT	1/8M	x	1/8F	FRPP-IN
	Inlet Pipe Conn. Size		Outlet Pipe Conn. Size	
	1/8M		1/8F	
	1/4M		1/4F	
	3/8M			



**Metal UT** 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. Inquire with us for details.